

Linux Foundation PCA

Linux Foundation Prometheus Certified Associate

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Question: 1

What does the Prometheus retention policy typically control?
(Select two)

Response:

- A. The duration for which data is stored
- B. The frequency of metric scraping
- C. The compression ratio of stored data
- D. The deletion of old time-series data

Answer: AD

Question: 2

What does the sum() function do in PromQL?
Response:

- A. Summarizes all label values of a time-series
- B. Aggregates data across multiple dimensions
- C. Computes the sum of a metric over time
- D. Adds multiple metrics together

Answer: B

Question: 3

Why are 'Exporters' important in Prometheus?
Response:

- A. They provide real-time data analysis
- B. They enable Prometheus to scrape metrics from various systems
- C. They are used for database management
- D. They help in network configuration

Answer: B

Question: 4

Which of the following is a common practice when structuring and naming metrics?

Response:

- A. Using uppercase letters for metric names
- B. Including labels to differentiate similar metrics
- C. Preferring long and descriptive metric names
- D. Avoiding the use of labels in metrics

Answer: B

Question: 5

What does an alert rule in Prometheus typically consist of?

Response:

- A. A query expression and alert conditions
- B. A log file and notification method
- C. A Grafana dashboard and data source
- D. A system log and email template

Answer: A

Question: 6

The 'Node Exporter' in Prometheus is designed to:

Response:

- A. Monitor the performance of the Prometheus server itself
- B. Collect metrics about the host system it's running on
- C. Export data to remote storage locations
- D. Manage Prometheus user accounts

Answer: B

Question: 7

Which of the following actions can be performed by Alertmanager?

(Select three)

Response:

- A. Silence alerts temporarily
- B. Automatically resolve network issues
- C. Route alerts to specific receivers
- D. Group related alerts into a single notification

Answer: ACD

Question: 8

'Exporters' in Prometheus are best described as:

Response:

- A. Tools for data encryption and security
- B. Agents that translate metrics into a Prometheus-friendly format
- C. Database management systems
- D. User interface tools for data visualization

Answer: B

Question: 9

What are key characteristics of the Prometheus exposition format?

(Select two)

Response:

- A. Human-readable text format
- B. JSON structured data
- C. Efficient binary format
- D. Label-based metric representation

Answer: AD

Question: 10

Which component of Prometheus is essential for understanding and using 'Alertmanager'?

Response:

- A. Node Exporter
- B. Grafana
- C. PromQL

D. Prometheus server

Answer: D

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