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PCA
Linux Foundation Prometheus Certified Associate

Questions And Answers PDF Format:

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Question: 1

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: 2

How are 'Binary operators' used in PromQL?
Response:

A. To perform arithmetic and comparison operations on metrics
B. To encrypt and decrypt data
C. For user authentication
D. To configure network settings in Prometheus

Answer: A

Question: 3

Understanding and using 'Alertmanager' in Prometheus includes:
Response:

A. Creating database schemas
B. Managing the routing and grouping of alerts
C. Implementing security protocols for data
D. Configuring hardware for Prometheus servers

Answer: B

Question: 4

What are the primary components of observability?
Response:

A. CPU, memory, and storage
B. Metrics, logs, and traces
C. Nodes, pods, and services
D. Configuration files, scripts, and databases

Answer: B

Question: 5

Which of the following is a function of 'Exporters' in Prometheus?
Response:

A. Backing up Prometheus data
B. Providing a user interface for data visualization
C. Enabling non-native applications to provide metrics to Prometheus
D. Managing Prometheus clusters

Answer: C

Question: 6

One of the key aspects of 'Alerting basics' in Prometheus is:
Response:

A. Data compression techniques
B. Network performance optimization
C. Understanding the lifecycle of an alert
D. User role and permission management

Answer: C

Question: 7

A key limitation of Prometheus that impacts large-scale deployments is:
Response:

A. Its reliance on SQL databases
B. The difficulty in managing a large number of labels

C. The complexity of its query language
D. Challenges in handling high cardinality data

Answer: D

Question: 8

The 'Node Exporter' in Prometheus is primarily used for:
Response:

A. Monitoring database performance
B. Exporting user data for analysis
C. Collecting metrics about the host system
D. Encrypting node-to-node communication

Answer: C

Question: 9

When is the use of an 'Exporter' necessary in a Prometheus setup?
Response:

A. When metrics are only available in a non-Prometheus format
B. For all types of data storage
C. When encrypting data for Prometheus
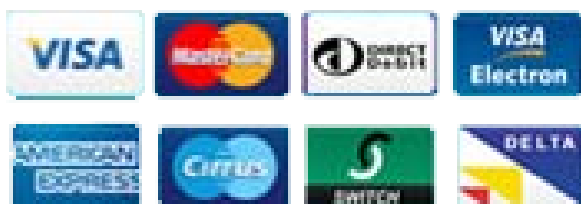D. For user authentication purposes

Answer: A

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