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To be eligible for the exam, candidates should have a minimum of three years of experience in data engineering, as well as a thorough understanding of the Google Cloud Platform. They should also have hands-on experience in designing and implementing data processing systems using various Google Cloud tools and services, such as BigQuery, Cloud Dataflow, Cloud Storage, and Cloud Pub/Sub.

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Quiz 2026 Google Latest Professional-Data-Engineer: Valid Braindumps Google Certified Professional Data Engineer Exam Book

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To prepare for the exam, candidates can take advantage of various resources provided by Google, such as online training courses, practice exams, and study guides. In addition, candidates can gain hands-on experience with Google Cloud Platform by working on real-world projects and labs. With the increasing demand for data engineers and the growing popularity of cloud-based solutions, the Google Professional-Data-Engineer Certification can provide a significant boost to an individual's career prospects in the field of data engineering.

Google Certified Professional Data Engineer Exam Sample Questions (Q210-Q215):

NEW QUESTION # 210
You need to choose a database to store time series CPU and memory usage for millions of computers. You need to store this data in one-second interval samples. Analysts will be performing real-time, ad hoc analytics against the database. You want to avoid being charged for every query executed and ensure that the schema design will allow for future growth of the dataset. Which database and data model should you choose?

- A. Create a narrow table in Cloud Bigtable with a row key that combines the Computer Engine computer identifier with the sample time at each second
- B. Create a wide table in BigQuery, create a column for the sample value at each second, and update the row with the interval for each second
- C. Create a wide table in Cloud Bigtable with a row key that combines the computer identifier with the sample time at each minute, and combine the values for each second as column data.
- D. Create a table in BigQuery, and append the new samples for CPU and memory to the table

Answer: C

NEW QUESTION # 211
You are developing a model to identify the factors that lead to sales conversions for your customers. You have completed processing your dat a. You want to continue through the model development lifecycle. What should you do next?

- A. Test and evaluate your model on your curated data to determine how well the model performs.
- B. Delineate what data will be used for testing and what will be used for training the model.
- C. Use your model to run predictions on fresh customer input data.
- D. Monitor your model performance, and make any adjustments needed.

Answer: B

Explanation:
After processing your data, the next step in the model development lifecycle is to test and evaluate your model on the curated data. This is crucial to determine the performance of the model and to understand how well it can predict sales conversions for your customers. The evaluation phase involves using various metrics and techniques to assess the accuracy, precision, recall, and other relevant performance indicators of the model. It helps in identifying any issues or areas for improvement before deploying the model in a production environment. Reference:: The information provided here is verified by the Google Professional Data Engineer Certification Exam Guide and related resources, which outline the steps and best practices in the model development lifecycle

NEW QUESTION # 212
Your analytics team wants to build a simple statistical model to determine which customers are most likely to work with your company again, based on a few different metrics. They want to run the model on Apache Spark, using data housed in Google Cloud Storage, and you have recommended using Google Cloud Dataproc to execute this job. Testing has shown that this workload can run in approximately 30 minutes on a 15-node cluster, outputting the results into Google BigQuery. The plan is to run this workload weekly. How should you optimize the cluster for cost?

- A. Use pre-emptible virtual machines (VMs) for the cluster

- B. Use SSDs on the worker nodes so that the job can run faster
- C. Use a higher-memory node so that the job runs faster
- D. Migrate the workload to Google Cloud Dataflow

Answer: D

NEW QUESTION # 213
You are designing storage for two relational tables that are part of a 10-TB database on Google Cloud. You want to support transactions that scale horizontally. You also want to optimize data for range queries on non- key columns. What should you do?

- A. Use Cloud SQL for storage. Use Cloud Dataflow to transform data to support query patterns.
- B. Use Cloud SQL for storage. Add secondary indexes to support query patterns.
- C. Use Cloud Spanner for storage. Use Cloud Dataflow to transform data to support query patterns.
- D. Use Cloud Spanner for storage. Add secondary indexes to support query patterns.

Answer: C

Explanation:
Explanation/Reference: https://cloud.google.com/solutions/data-lifecycle-cloud-platform

NEW QUESTION # 214
You are designing a data mesh on Google Cloud with multiple distinct data engineering teams building data products. The typical data curation design pattern consists of landing files in Cloud Storage, transforming raw data in Cloud Storage and BigQuery datasets. and storing the final curated data product in BigQuery datasets You need to configure Dataplex to ensure that each team can access only the assets needed to build their data products. You also need to ensure that teams can easily share the curated data product. What should you do?

- A. 1 Create a single Dataplex virtual lake and create a single zone to contain landing, raw. and curated data. 2 Build separate assets for each data product within the zone.
  3. Assign permissions to the data engineering teams at the zone level.
- B. 1 Create a Dataplex virtual lake for each data product, and create multiple zones for landing, raw. and curated data.
  2. Provide the data engineering teams with full access to the virtual lake assigned to their data product.
- C. 1 Create a single Dataplex virtual lake and create a single zone to contain landing, raw. and curated data.
  2 Provide each data engineering team access to the virtual lake.
- D. 1 Create a Dataplex virtual lake for each data product, and create a single zone to contain landing, raw, and curated data.
  2. Provide the data engineering teams with full access to the virtual lake assigned to their data product.

Answer: B

Explanation:
This option is the best way to configure Dataplex for a data mesh architecture, as it allows each data engineering team to have full ownership and control over their data products, while also enabling easy discovery and sharing of the curated data across the organization12. By creating a Dataplex virtual lake for each data product, you can isolate the data assets and resources for each domain, and avoid conflicts and dependencies between different teams3. By creating multiple zones for landing, raw, and curated data, you can enforce different security and governance policies for each stage of the data curation process, and ensure that only authorized users can access the data assets45. By providing the data engineering teams with full access to the virtual lake assigned to their data product, you can empower them to manage and monitor their data products, and leverage the Dataplex features such as tagging, quality, and lineage.
Option A is not suitable, as it creates a single point of failure and a bottleneck for the data mesh, and does not allow for fine-grained access control and governance for different data products2. Option B is also not suitable, as it does not isolate the data assets and resources for each data product, and assigns permissions at the zone level, which may not reflect the different roles and responsibilities of the data engineering teams34. Option C is better than option A and B, but it does not create multiple zones forlanding, raw, and curated data, which may compromise the security and quality of the data products5. References:
* 1: Building a data mesh on Google Cloud using BigQuery and Dataplex | Google Cloud Blog
* 2: Data Mesh - 7 Effective Practices to Get Started - Confluent
* 3: Best practices | Dataplex | Google Cloud
* 4: Secure your lake | Dataplex | Google Cloud
* 5: Zones | Dataplex | Google Cloud
* [6]: Managing a Data Mesh with Dataplex - ROI Training

NEW QUESTION # 215

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