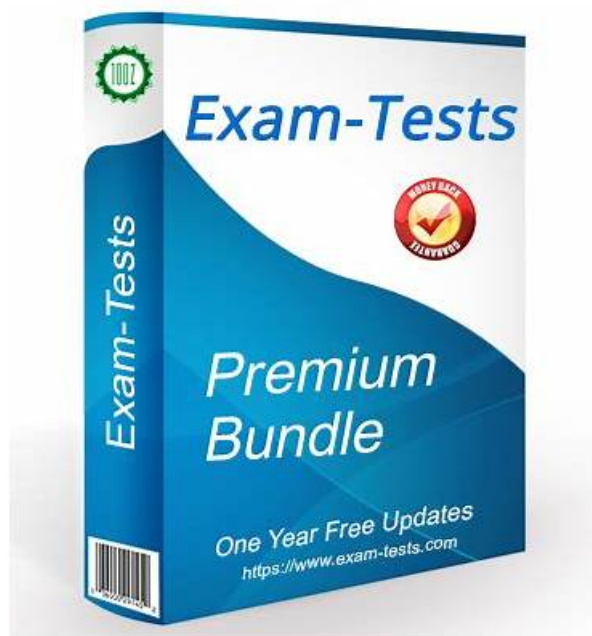


2025 Authoritative Professional-Data-Engineer–100% Free Customizable Exam Mode | Google Certified Professional Data Engineer Exam Test Question



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Participation in the Google community is a helpful way to discuss Professional-Data-Engineer exam topics with other Google Professional-Data-Engineer exam applicants and experts. The official website of the Professional-Data-Engineer exam has other different learning resources. You can choose any of the courses available that are suitable to you at the official website of the Google Professional-Data-Engineer test. Find official Google books for preparation or buy training material available at the official website of the Professional-Data-Engineer certification exam.

Preparing for the exam requires a combination of hands-on experience with Google Cloud Platform, as well as studying relevant documentation and training materials. Google offers a variety of resources for exam preparation, including online courses, hands-on labs, and practice exams.

Introduction

Data engineers are responsible for finding trends in data sets and developing algorithms to help make raw data more useful to the enterprise. This IT role requires a significant set of technical skills, including a deep knowledge of SQL database design and multiple programming languages. They collect, transform, and visualize data. The Data Engineer designs, builds, maintains, and troubleshoots data processing systems with a particular emphasis on the security, reliability, fault-tolerance, scalability, fidelity, and efficiency of such systems.

Google Professional-Data-Engineer (Google Certified Professional Data Engineer) certification exam is designed for individuals who have expertise in designing, building, and managing data processing systems on the Google Cloud Platform. Professional-Data-Engineer exam is intended for professionals who want to validate their skills and knowledge in data engineering, including the design and implementation of scalable and robust data processing systems.

Professional-Data-Engineer Test Question - Professional-Data-Engineer Hottest Certification

Professional-Data-Engineer certification exam opens the doors for starting a bright career. After passing the Google Certified Professional Data Engineer Exam Professional-Data-Engineer test you will easily apply for well-paid jobs in top companies all over the world. Professional-Data-Engineer exam offers multiple advantages including, high salaries, promotions, enhancing resumes, and skills improvement. Once you pass the Professional-Data-Engineer Exam, you can avail all these benefits. If you want to pass the Google Professional-Data-Engineer certification exam, you must find the best resource to prepare for the Professional-Data-Engineer test.

Google Certified Professional Data Engineer Exam Sample Questions (Q78-Q83):

NEW QUESTION # 78

You are responsible for writing your company's ETL pipelines to run on an Apache Hadoop cluster. The pipeline will require some checkpointing and splitting pipelines. Which method should you use to write the pipelines?

- A. Java using MapReduce
- B. PigLatin using Pig
- **C. Python using MapReduce**
- D. HiveQL using Hive

Answer: C

NEW QUESTION # 79

You want to store your team's shared tables in a single dataset to make data easily accessible to various analysts. You want to make this data readable but unmodifiable by analysts. At the same time, you want to provide the analysts with individual workspaces in the same project, where they can create and store tables for their own use, without the tables being accessible by other analysts. What should you do?

- A. Give analysts the BigQuery Data Viewer role at the project level Create a dataset for each analyst, and give each analyst the BigQuery Data Editor role at the project level.
- B. Give analysts the BigQuery Data Viewer role at the project level Create one other dataset, and give the analysts the BigQuery Data Editor role on that dataset.
- **C. Give analysts the BigQuery Data Viewer role on the shared dataset. Create a dataset for each analyst, and give each analyst the BigQuery Data Editor role at the dataset level for their assigned dataset**
- D. Give analysts the BigQuery Data Viewer role on the shared dataset Create one other dataset and give the analysts the BigQuery Data Editor role on that dataset.

Answer: C

Explanation:

The BigQuery Data Viewer role allows users to read data and metadata from tables and views, but not to modify or delete them. By giving analysts this role on the shared dataset, you can ensure that they can access the data for analysis, but not change it. The BigQuery Data Editor role allows users to create, update, and delete tables and views, as well as read and write data. By giving analysts this role at the dataset level for their assigned dataset, you can provide them with individual workspaces where they can store their own tables and views, without affecting the shared dataset or other analysts' datasets. This way, you can achieve both data protection and data isolation for your team. Reference:

BigQuery IAM roles and permissions

Basic roles and permissions

NEW QUESTION # 80

You are working on a niche product in the image recognition domain. Your team has developed a model that is dominated by custom C++ TensorFlow ops your team has implemented. These ops are used inside your main training loop and are performing

bulky matrix multiplications. It currently takes up to several days to train a model. You want to decrease this time significantly and keep the cost low by using an accelerator on Google Cloud. What should you do?

- A. Use Cloud GPUs after implementing GPU kernel support for your custom ops.
- B. Use Cloud TPUs without any additional adjustment to your code.
- C. Stay on CPUs, and increase the size of the cluster you're training your model on.
- **D. Use Cloud TPUs after implementing GPU kernel support for your custom ops.**

Answer: D

Explanation:

Cloud TPUs are not suited to the following workloads: [...] Neural network workloads that contain custom TensorFlow operations written in C++. Specifically, custom operations in the body of the main training loop are not suitable for TPUs.

NEW QUESTION # 81

You need to compose visualization for operations teams with the following requirements:

- * Telemetry must include data from all 50,000 installations for the most recent 6 weeks (sampling once every minute)
- * The report must not be more than 3 hours delayed from live data.
- * The actionable report should only show suboptimal links.
- * Most suboptimal links should be sorted to the top.
- * Suboptimal links can be grouped and filtered by regional geography.
- * User response time to load the report must be <5 seconds.

You create a data source to store the last 6 weeks of data, and create visualizations that allow viewers to see multiple date ranges, distinct geographic regions, and unique installation types. You always show the latest data without any changes to your visualizations. You want to avoid creating and updating new visualizations each month. What should you do?

- A. Look through the current data and compose a series of charts and tables, one for each possible combination of criteria.
- B. Export the data to a spreadsheet, compose a series of charts and tables, one for each possible combination of criteria, and spread them across multiple tabs.
- C. Load the data into relational database tables, write a Google App Engine application that queries all rows, summarizes the data across each criteria, and then renders results using the Google Charts and visualization API.
- **D. Look through the current data and compose a small set of generalized charts and tables bound to criteria filters that allow value selection.**

Answer: D

NEW QUESTION # 82

You are implementing several batch jobs that must be executed on a schedule. These jobs have many interdependent steps that must be executed in a specific order. Portions of the jobs involve executing shell scripts, running Hadoop jobs, and running queries in BigQuery. The jobs are expected to run for many minutes up to several hours. If the steps fail, they must be retried a fixed number of times. Which service should you use to manage the execution of these jobs?

- A. Cloud Functions
- B. Cloud Composer
- C. Cloud Dataflow
- **D. Cloud Scheduler**

Answer: D

NEW QUESTION # 83

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