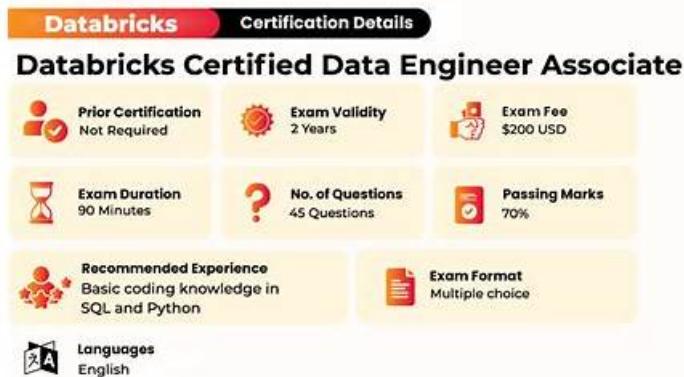


# Exam Professional-Data-Engineer Guide Materials | Professional-Data-Engineer Reliable Test Experience



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## Difficulty in Attempting Google Professional Data Engineer Exam Certification

If the user has successfully passed the **professional-data-engineer practice exam** and has been through **professional-data-engineer exam dumps** then the certification exam will not be too much difficult as the user has shown aptitude for understanding complicated processes.

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## Google Professional-Data-Engineer Reliable Test Experience - Professional-Data-Engineer Updated Demo

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## Data Engineering on Google Cloud course

It is a 4-day course that gives hands-on experience to the candidates and allows them to build data processing systems on Google Cloud. It will also show you how to design data processing systems, analyze data and build end-to-end data pipelines and machine learning. In order to get a better understanding of the course, you need to complete the big data machine learning course or get equivalent experience. This course also aids you in developing applications using a programming language such as Python and covers the following objective:

- Enable insights from streaming data
- Predicting machine models using TensorFlow and Cloud ML
- Processing batch and streaming data by using autoscaling data pipelines on Cloud Dataflow
- Designing and building data processing systems on the Google Cloud Platform
- Influencing unstructured data using ML APIs on Cloud Dataproc

## Career Opportunities

The certified individuals can explore a variety of job opportunities. Some of the positions that they can take up include a Software Engineer, a Cloud Architect, a Data Engineer, a Sales Engineer, a Data Scientist, a Cloud Developer, and a Kubernetes Architect, among others. The salary outlook for these job roles is an average of \$128,500 per annum.

## Google Certified Professional Data Engineer Exam Sample Questions (Q284-Q289):

### NEW QUESTION # 284

You have enabled the free integration between Firebase Analytics and Google BigQuery. Firebase now automatically creates a new table daily in BigQuery in the format app\_events\_YYYYMMDD. You want to query all of the tables for the past 30 days in legacy SQL. What should you do?

- A. Use the WHERE\_PARTITIONTIMEpseudo column
- B. Use SELECT IF.(date >= YYYY-MM-DD AND date <= YYYY-MM-DD
- C. Use WHEREdate BETWEEN YYYY-MM-DD AND YYYY-MM-DD
- D. Use the TABLE\_DATE\_RANGEfunction

### Answer: D

Explanation:

Explanation/Reference:

Reference: <https://cloud.google.com/blog/products/gcp/using-bigquery-and-firebase-analytics-to-understand-your-mobile-app?hl=am>

### NEW QUESTION # 285

You are configuring networking for a Dataflow job. The data pipeline uses custom container images with the libraries that are required for the transformation logic preinstalled. The data pipeline reads the data from Cloud Storage and writes the data to BigQuery. You need to ensure cost-effective and secure communication between the pipeline and Google APIs and services. What should you do?

- A. Disable external IP addresses from worker VMs and enable Private Google Access.
- B. Leave external IP addresses assigned to worker VMs while enforcing firewall rules.
- C. Enable Cloud NAT to provide outbound internet connectivity while enforcing firewall rules.
- D. Disable external IP addresses and establish a Private Service Connect endpoint IP address.

### Answer: A

Explanation:

Private Google Access allows VMs without external IP addresses to communicate with Google APIs and services over internal routes. This reduces the cost and increases the security of the data pipeline. Custom container images can be stored in Container Registry, which supports Private Google Access. Dataflow supports Private Google Access for both batch and streaming jobs.

References:

- \* Private Google Access overview
- \* Using Private Google Access and Cloud NAT
- \* Using custom containers with Dataflow

### NEW QUESTION # 286

Your company is selecting a system to centralize data ingestion and delivery. You are considering messaging and data integration systems to address the requirements. The key requirements are:

The ability to seek to a particular offset in a topic, possibly back to the start of all data ever captured Support for publish/subscribe semantics on hundreds of topics Retain per-key ordering Which system should you choose?

- A. Firebase Cloud Messaging
- B. Cloud Storage
- C. Cloud Pub/Sub
- D. Apache Kafka

**Answer: D**

**NEW QUESTION # 287**

The Dataflow SDKs have been recently transitioned into which Apache service?

- A. Apache Hadoop
- B. Apache Kafka
- **C. Apache Beam**
- D. Apache Spark

**Answer: C**

Explanation:

Explanation

Dataflow SDKs are being transitioned to Apache Beam, as per the latest Google directive Reference:

<https://cloud.google.com/dataflow/docs/>

**NEW QUESTION # 288**

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 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**
- 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 one other dataset and give the analysts the BigQuery Data Editor role on that dataset.
- D. 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.

**Answer: A**

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 # 289**

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