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Exam Professional Machine Learning Engineer All Questions

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EXAM PROFESSIONAL MACHINE LEARNING ENGINEER TOPIC 1 QUESTION 23 DISCUSSIO..

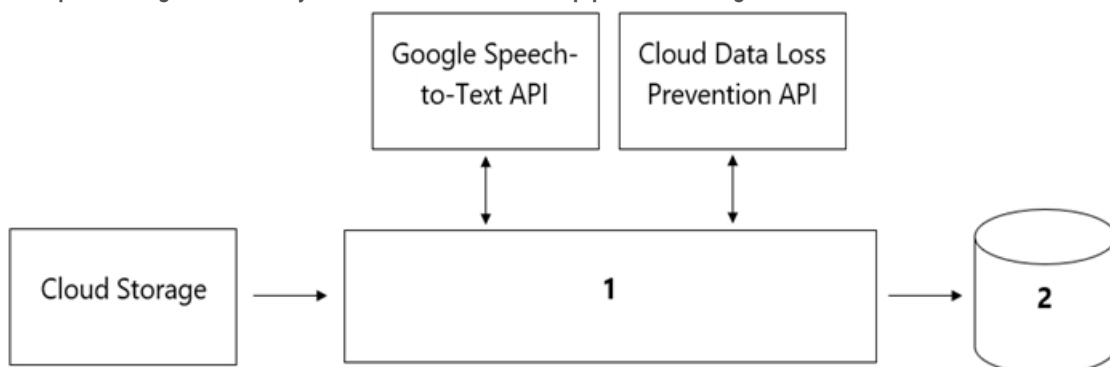
Actual exam question from Google's Professional Machine Learning Engineer

Question #: 23

Topic #: 1

[\[All Professional Machine Learning Engineer Questions\]](#)

Your organization's call center has asked you to develop a model that analyzes customer sentiments in each call. The call center receives over one million calls daily, and data is stored in Cloud Storage. The data collected must not leave the region in which the call originated, and no Personally Identifiable Information (PII) can be stored or analyzed. The data science team has a third-party tool for visualization and access which requires a SQL ANSI-2011 compliant interface. You need to select components for data processing and for analytics. How should the data pipeline be designed?



- A. 1= Dataflow, 2= BigQuery
- B. 1 = Pub/Sub, 2= Datastore
- C. 1 = Dataflow, 2 = Cloud SQL
- D. 1 = Cloud Function, 2= Cloud SQL

Show Suggested Answer


























































Show Suggested Answer

by  **salsabilsf** at June 7, 2021, 4:56 p.m.

Comments

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-   **inder0007** Highly Voted 3 years, 5 months ago
The correct answer is A
   upvoted 18 times
-   **GogoG** 3 years, 1 month ago
Evidence here <https://github.com/GoogleCloudPlatform/dataflow-contact-center-speech-analysis>
   upvoted 7 times
-   **salsabilsf** Highly Voted 3 years, 5 months ago
Should be A
   upvoted 7 times
-   **PhilipKoku** Most Recent 5 months ago
Selected Answer: A
A) Dataflow & BigQuery (Analytics)
   upvoted 1 times
-   **Sum_Sum** 11 months, 3 weeks ago
Selected Answer: A
A - because it has BigQuery.
Almost never would you see an answer that prefers CloudSQL over BQ
   upvoted 3 times
-   **M25** 1 year, 6 months ago
Selected Answer: A
Went with A
   upvoted 2 times
-   **MithunDesai** 1 year, 10 months ago
Selected Answer: A
correct answer is A
   upvoted 1 times
-   **Moulichintakunta** 1 year, 11 months ago
Selected Answer: A
we need a dataflow to process data from cloud storage and data is unstructured and if we want to perform analysis on unstructured with SQL interface BigQuery is the only option
   upvoted 1 times
-   **EFIGO** 1 year, 11 months ago
Selected Answer: A
You need to do analytics, so the answer needs to contain BigQuery and only option A does.
Moreover, BigQuery is fine with SQL and Dataflow is the right tool for the processing pipeline.
   upvoted 1 times
-   **GCP72** 2 years, 2 months ago
Selected Answer: A
Correct answer is "A"
   upvoted 1 times
-   **SUNWS7** 2 years, 5 months ago
D - to call API you need Cloud Functions. Dataflow would be for ETL
   upvoted 2 times
-   **SUNWS7** 2 years, 5 months ago

  **SUNWS7** 2 years, 5 months ago

Sorry incorrect - Dataflow can call external API so stand corrected . Answer : A

   upvoted 2 times

  **SUNWS7** 2 years, 7 months ago

Selected Answer: A

Dataflow & BigQuery

   upvoted 2 times

  **skipper_com** 2 years, 11 months ago

A, <https://cloud.google.com/architecture/architecture-for-mlops-using-tfx-kubeflow-pipelines-and-cloud-build> Fig.6

   upvoted 1 times

  **mousseUwU** 3 years ago

A is correct

Dataflow - Unified stream and batch data processing that's serverless, fast, and cost-effective

BigQuery - Good for analytics and dashboards

   upvoted 3 times

  **pddddd** 3 years, 1 month ago

BQ is SQL ANSI-2011 compliant

   upvoted 1 times

  **Danny2021** 3 years, 1 month ago



A or C. Not sure how many third-party tool supports BigQuery. If not, then the answer is C.

   upvoted 2 times

  **David_ml** 2 years, 6 months ago

wrong. cloud sql is not for analytics.

   upvoted 1 times

  **Jijiji** 3 years, 2 months ago

it's def A

   upvoted 3 times

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