G Google Discussions

Exam Professional Data Engineer All Questions

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EXAM PROFESSIONAL DATA ENGINEER TOPIC 1 QUESTION 100 DISCUSSION

Actual exam question from Google's Professional Data Engineer

Question #: 100

Topic #: 1

[All Professional Data Engineer Questions]

You have a requirement to insert minute-resolution data from 50,000 sensors into a BigQuery table. You expect significant growth in data volume and need the data to be available within 1 minute of ingestion for real-time analysis of aggregated trends. What should you do?

- A. Use bq load to load a batch of sensor data every 60 seconds.
- B. Use a Cloud Dataflow pipeline to stream data into the BigQuery table.
- C. Use the INSERT statement to insert a batch of data every 60 seconds.
- D. Use the MERGE statement to apply updates in batch every 60 seconds.

Show Suggested Answer

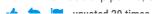
by 637 at March 19, 2020, 5:39 p.m.

Comments

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| | upvoted 29 times |
|---|--|
| | ♣ [Removed] Highly Voted → 5 years, 1 month ago |
| | Correct - B |
| | |
| | ♣ Erg_de Most Recent ② 6 months ago |
| _ | |
| | Selected Answer: B |
| | For real-time analysis and quick data availability, the appropriate option is the combination of the pipeline with BigQuery. • pupoted 1 times |
| | · |
| | Leginia 1 year, 5 months ago "need the data to be excitable within 1 minute of ingestion for real time enclaries". Josephana Poteflow |
| | "need the data to be available within 1 minute of ingestion for real-time analysis" → low latency requirement → Dataflow streaming |
| | |
| | The database can either be BQ or BigTable for this kind of requirement in data volume and latency. But it mentioned that the |
| | destination has to be BQ, so B. upvoted 1 times |
| | |
| | ♣ NeoNitin 1 year, 9 months ago ANSWER b. |
| | FULL question ihave if you nee mail me |
| | neonitin6ATtherate |
| | |
| | □ ♣ aryaavinash 1 year, 8 months ago |
| | full email id please? |
| | upvoted 1 times |
| | ♣ Oleksandr0501 2 years ago |
| | Selected Answer: B |
| | I think we need a pipeline, so it's B to me.)) |
| | ■ |
| | ♣ votinhluombikip 2 years ago |
| | Selected Answer: B |
| | I think we need a pipeline, so it's B to me. |
| | ■ |
| | ♣ JANCAI 2 years, 2 months ago |
| | Why the answer from the <reveal answer=""> is C??</reveal> |
| | upvoted 1 times |
| | a zelick 2 years, 5 months ago |
| | Selected Answer: B |
| | B is the answer. |
| | |
| | Prasha123 2 years, 5 months ago |
| | Selected Answer: B |
| | Need pipeline so its B |
| | |
| | sedado77 2 years, 7 months ago |
| | Selected Answer: B |
| | I got this question on sept 2022. Answer is B |
| | upvoted 7 times |
| | medeis_jar 3 years, 3 months ago |
| | Selected Answer: B |
| | omg. B only |
| _ | upvoted 2 times |
| | MaxNRG 3 years, 4 months ago |
| | Selected Answer: B |
| | Is B, if we expect a growth we'll need some buffer (that will be pub-sub) and the dataflow pipeline to stream data in big query. The tabledata.insertAll method is not valid here. |
| | upvoted 7 times |
| | |

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