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EXAM PROFESSIONAL DATA ENGINEER TOPIC 1 QUESTION 283 DISCUSSION

Actual exam question from Google's Professional Data Engineer

Question #: 283

Topic #: 1

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You have created an external table for Apache Hive partitioned data that resides in a Cloud Storage bucket, which contains a large number of files. You notice that queries against this table are slow. You want to improve the performance of these queries. What should you do?

- A. Change the storage class of the Hive partitioned data objects from Coldline to Standard.
- B. Create an individual external table for each Hive partition by using a common table name prefix. Use wildcard table queries to reference the partitioned data.
- C. Upgrade the external table to a BigLake table. Enable metadata caching for the table.
- D. Migrate the Hive partitioned data objects to a multi-region Cloud Storage bucket.

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by **GCP001** at Jan. 7, 2024, 4:17 p.m.

Comments

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raaad [Highly Voted](#) 10 months ago

Selected Answer: C

- BigLake Table: BigLake allows for more efficient querying of data lakes stored in Cloud Storage. It can handle large datasets more effectively than standard external tables.
- Metadata Caching: Enabling metadata caching can significantly improve query performance by reducing the time taken to read and process metadata from a large number of files.

👍 🔄 🚩 upvoted 8 times

🗄️ 👤 **AllenChen123** 9 months, 2 weeks ago

Agree. https://cloud.google.com/bigquery/docs/biglake-intro#metadata_caching_for_performance

👍 🔄 🚩 upvoted 4 times

🗄️ 👤 **AllenChen123** 9 months, 2 weeks ago

And <https://cloud.google.com/bigquery/docs/external-data-cloud-storage#upgrade-external-tables-to-biglake-tables>

👍 🔄 🚩 upvoted 5 times

🗄️ 👤 **hanoverquay** **Most Recent** 7 months, 3 weeks ago

Selected Answer: C

vote C

👍 🔄 🚩 upvoted 1 times

🗄️ 👤 **JyoGCP** 8 months, 2 weeks ago

Selected Answer: C

Option C

👍 🔄 🚩 upvoted 1 times

🗄️ 👤 **Matt_108** 9 months, 3 weeks ago

Selected Answer: C

Option C

👍 🔄 🚩 upvoted 1 times

🗄️ 👤 **Sofia98** 10 months ago

Selected Answer: C

agree with C

👍 🔄 🚩 upvoted 1 times

🗄️ 👤 **GCP001** 10 months ago

C. Upgrade the external table to a BigLake table. Enable metadata caching for the table.
Check ref - <https://cloud.google.com/bigquery/docs/biglake-intro>

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