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📄 **EXAM PROFESSIONAL DATA ENGINEER TOPIC 1 QUESTION 257 DISCUSSION**

Actual exam question from Google's Professional Data Engineer
Question #: 257
Topic #: 1
[All Professional Data Engineer Questions]

You are planning to use Cloud Storage as part of your data lake solution. The Cloud Storage bucket will contain objects ingested from external systems. Each object will be ingested once, and the access patterns of individual objects will be random. You want to minimize the cost of storing and retrieving these objects. You want to ensure that any cost optimization efforts are transparent to the users and applications. What should you do?

A. Create a Cloud Storage bucket with Autoclass enabled.

B. Create a Cloud Storage bucket with an Object Lifecycle Management policy to transition objects from Standard to Coldline storage class if an object age reaches 30 days.

C. Create a Cloud Storage bucket with an Object Lifecycle Management policy to transition objects from Standard to Coldline storage class if an object is not live.

D. Create two Cloud Storage buckets. Use the Standard storage class for the first bucket, and use the Coldline storage class for the second bucket. Migrate objects from the first bucket to the second bucket after 30 days.

Show Suggested Answer

by ⊙ scaenruy at *Jan. 3, 2024, 5:09 p.m.*

Comments

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⊟ 👤 **desertlotus1211** 1 month, 1 week ago

Selected Answer: A

By chance is this a repeat question?

👍 ↩ 🏳 upvoted 1 times

⊟ 👤 **iooj** 9 months ago

Selected Answer: A

Thanks to you guys, I found out about this feature :D

The feature was released on November 3, 2023. Note that enabling Autoclass on an existing bucket incurs additional charges.

👍 ↩ 🏳 upvoted 2 times

⊟ 👤 **JyoGCP** 1 year, 2 months ago

Selected Answer: A

A. Autoclass

👍 ↩ 🏳 upvoted 1 times

⊟ 👤 **Matt_108** 1 year, 3 months ago

Selected Answer: A

Option A

👍 ↩ 🏳 upvoted 1 times

⊟ 👤 **raaad** 1 year, 4 months ago

Selected Answer: A

- Autoclass automatically analyzes access patterns of objects and automatically transitions them to the most cost-effective storage class within Standard, Nearline, Coldline, or Archive.
- This eliminates the need for manual intervention or setting specific age thresholds.
- No user or application interaction is required, ensuring transparency.

👍 ↩ 🏳 upvoted 4 times

⊟ 👤 **scaenruy** 1 year, 4 months ago

Selected Answer: A

A. Create a Cloud Storage bucket with Autoclass enabled.

👍 ↩ 🏳 upvoted 1 times