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## Exam Associate Cloud Engineer All Questions

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### EXAM ASSOCIATE CLOUD ENGINEER TOPIC 1 QUESTION 61 DISCUSSION

Actual exam question from Google's Associate Cloud Engineer

Question #: 61

Topic #: 1

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Your organization is a financial company that needs to store audit log files for 3 years. Your organization has hundreds of Google Cloud projects. You need to implement a cost-effective approach for log file retention. What should you do?

- A. Create an export to the sink that saves logs from Cloud Audit to BigQuery.
- B. Create an export to the sink that saves logs from Cloud Audit to a Coldline Storage bucket.
- C. Write a custom script that uses logging API to copy the logs from Stackdriver logs to BigQuery.
- D. Export these logs to Cloud Pub/Sub and write a Cloud Dataflow pipeline to store logs to Cloud SQL.

Show Suggested Answer

by [yasu](#) at March 26, 2020, 2:55 p.m.

## Comments

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[yasu](#) Highly Voted 4 years, 7 months ago

Why not B? cost effective

👍 ↩ 🚩 upvoted 56 times

🗨️ 👤 lxs 3 years ago

BigQuery data after 90 days has the same cost for storage as Cloud Storage Nearline. Storing it in Cloud Storage adds more costs for data retrieval if the class is i.e archival

👍 ↩ 🚩 upvoted 1 times

🗨️ 👤 KerolesKhalil 1 year, 4 months ago

the options have cold-line storage not nearline.  
so B is the cheapest option.

👍 ↩ 🚩 upvoted 2 times

🗨️ 👤 \_Sande 1 year, 6 months ago

That seems to be the one...

👍 ↩ 🚩 upvoted 1 times

🗨️ 👤 uganeshku 2 years, 10 months ago

B is correct because Coldline Storage is the perfect service to store audit logs from all the projects and is very cost-efficient as well. Coldline Storage is a very low-cost, highly durable storage service for storing infrequently accessed data.

👍 ↩ 🚩 upvoted 6 times

🗨️ 👤 Gini **Highly Voted** 👍 4 years, 6 months ago

if it is all about cost, B is the best. However, speaking of "audit" you probably need to access the data once in a while, which Coldline storage might not be ideal for this case I guess? I would go for A in the exam though.

👍 ↩ 🚩 upvoted 20 times

🗨️ 👤 Ale1973 4 years, 1 month ago

Be strong!!! If B is the best, go for B!!!

👍 ↩ 🚩 upvoted 15 times

🗨️ 👤 pas77 3 years, 2 months ago

The question is clearly saying cost effect. BQ is one of the most expensive services in GCP.

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🗨️ 👤 boof 3 years ago

I would play it safe and interpret the question literally, implying that they will only store the audit logs and not be accessing them a lot.

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🗨️ 👤 pragneshpandya **Most Recent** 🕒 1 month, 3 weeks ago

**Selected Answer: B**

as its logs for 3 years , coldline is the correct

👍 ↩ 🚩 upvoted 1 times

🗨️ 👤 jungkook\_1 5 months, 3 weeks ago

But the retention period of Coldline storage is 90 days, it's not meeting the requirement mentioned in ques to store for 3 years.

👍 ↩ 🚩 upvoted 1 times

🗨️ 👤 jungkook\_1 5 months, 3 weeks ago

But retention period of coldline storage is 90 days only, in ques they've mentioned for 3 years?

👍 ↩ 🚩 upvoted 1 times

🗨️ 👤 LSB56757 6 months, 2 weeks ago

**Selected Answer: B**

Using Google Gemini, it suggests Option B.

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🗨️ 👤 zameerb 9 months ago

Both options (exporting to BigQuery and exporting to Coldline Storage) have their merits, and the choice depends on specific use cases, access patterns, and organizational preferences. If your organization values a more structured and analyzable format with SQL-like querying capabilities, BigQuery might be preferable. If the priority is on long-term, infrequent access with cost optimization, then Coldline Storage could be a suitable choice.

👍 ↩ 🚩 upvoted 1 times

🗨️ 👤 BAofBK 11 months, 2 weeks ago

The correct answer is B.

👍 ↩ 🚩 upvoted 1 times

gsmasad 11 months, 3 weeks ago

**Selected Answer: B**

B is correct. coldline storage it is cost-effective and for long-term storage

👍 🔄 🚩 upvoted 1 times

elviskimutai 1 year, 1 month ago

B is correct. coldline storage it is cost-effective and for long-term storage

👍 🔄 🚩 upvoted 1 times

sabrinakloud 1 year, 6 months ago

**Selected Answer: B**

answer B

👍 🔄 🚩 upvoted 1 times

Buruguduystunstugudunstuy 1 year, 8 months ago

**Selected Answer: B**

Answer B. Create an export to the sink that saves logs from Cloud Audit to a Coldline Storage bucket.

To meet the requirement of retaining log files for 3 years, a cost-effective approach is to export logs to a cheaper storage option like Cloud Storage Coldline storage class. The coldline storage class is designed for cold data storage and offers lower storage costs and higher retrieval costs when compared to other storage classes.

Exporting logs from Cloud Audit to a Coldline Storage bucket can be done by creating an export sink. This is a straightforward process that can be done via the Cloud Console, Cloud SDK, or REST API.

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Buruguduystunstugudunstuy 1 year, 8 months ago

INCORRECT:

Answer A is incorrect because while it does store logs in BigQuery, it is a more expensive option than storing logs in Coldline storage.

Answer C is incorrect because writing a custom script to copy logs to BigQuery would be complex and more difficult to maintain compared to using an export sink.

Answer D is incorrect because while logs can be exported to Pub/Sub, writing a Cloud Dataflow pipeline to store logs in Cloud SQL would require additional configuration and might not be as cost-effective as exporting logs to Coldline storage.

👍 🔄 🚩 upvoted 8 times

Mac\_1612 1 year, 1 month ago

Buru, Thank you so much from whole GCP community for your efforts, you are incredible man !!!

👍 🔄 🚩 upvoted 4 times

cucinareblog 1 year, 1 month ago

I agree thanks a lot!!!!

👍 🔄 🚩 upvoted 1 times

kaisehop 1 year, 8 months ago

**Selected Answer: B**

B. Create an export to the sink that saves logs from Cloud Audit to a Coldline Storage bucket. This is the most cost-effective approach for log file retention as Coldline Storage has lower storage costs compared to other storage classes, making it suitable for infrequently accessed data that still needs to be retained for a long time.

👍 🔄 🚩 upvoted 1 times

alex000 1 year, 9 months ago

B is the most cost effective

👍 🔄 🚩 upvoted 1 times

Neeleshinuk 1 year, 10 months ago

[https://cloud.google.com/logging/docs/export/configure\\_export\\_v2](https://cloud.google.com/logging/docs/export/configure_export_v2)

I go with B


👍 🔄 🚩 upvoted 1 times

cslnice 1 year, 10 months ago

**Selected Answer: B**

B is the best

👍 🔄 🚩 upvoted 1 times

  Zoze 1 year, 11 months ago

**Selected Answer: B**

B is the answer, because he wants a cost-effective solution so B is the cheapest option.

   upvoted 1 times

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