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### Exam Associate Cloud Engineer All Questions

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## EXAM ASSOCIATE CLOUD ENGINEER TOPIC 1 QUESTION 114 DISCUSSION

Actual exam question from Google's Associate Cloud Engineer

Question #: 114

Topic #: 1

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You are managing several Google Cloud Platform (GCP) projects and need access to all logs for the past 60 days. You want to be able to explore and quickly analyze the log contents. You want to follow Google-recommended practices to obtain the combined logs for all projects. What should you do?

- A. Navigate to Stackdriver Logging and select `resource.labels.project_id="**"`
- B. Create a Stackdriver Logging Export with a Sink destination to a BigQuery dataset. Configure the table expiration to 60 days.
- C. Create a Stackdriver Logging Export with a Sink destination to Cloud Storage. Create a lifecycle rule to delete objects after 60 days.
- D. Configure a Cloud Scheduler job to read from Stackdriver and store the logs in BigQuery. Configure the table expiration to 60 days.

Show Suggested Answer

by [vlodia](#) at July 9, 2020, 3:36 p.m.

### Comments

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  **Verve** Highly Voted  4 years, 2 months ago

Its B.

   upvoted 26 times

  **[Removed]** Highly Voted  4 years, 1 month ago

The question is to view log past 60 days. B, c, D talks about deleting an object or truncation of table data

   upvoted 11 times

  **[Removed]** 4 years, 1 month ago

Answer should be A

   upvoted 3 times

  **[Removed]** 4 years, 1 month ago

Also A specifically talks about aggregation

   upvoted 4 times

  **[Removed]** 4 years, 1 month ago

Also by default, you have a lot of flexibility when viewing logging in stack driver , to filter and query.

   upvoted 2 times

  **xtian2900** 4 years ago

what about minimum retention is 30 days ? is it true ?

   upvoted 3 times

  **[Removed]** 4 years ago

Ur correct so minimally is 30 for data access logs <https://cloud.google.com/logging/quotas> then B is the way to go.

  upvoted 3 times

  **ccpmad** Most Recent  4 months, 4 weeks ago

2024, there is not "Stackdriver Logging Export, but for 2020 it is B

   upvoted 3 times

  **IshwarChandra** 6 months, 4 weeks ago

resource.labels.project\_id="" is not a correct query because "" returns 0 records so option A is not a correct answer

   upvoted 1 times

  **Cynthia2023** 9 months, 3 weeks ago

**Selected Answer: B**

When it comes to log data, you're typically dealing with high-volume time-series data that is partitioned by time (e.g., by day). In such cases, setting a partition expiration is often more appropriate because it ensures that you're continuously retaining a rolling window of log data (for example, the last 60 days' worth) and automatically purging older data, rather than deleting the entire table at once after a certain period.

   upvoted 3 times

  **Cynthia2023** 9 months, 3 weeks ago

In BigQuery, setting an expiration time for tables can be applied in two contexts:

Table Expiration:

When you set a table expiration time at the table level, it applies to the entire table. This means that the entire table will be deleted once the specified expiration time has elapsed since the table's creation time.

Partition Expiration:

For partitioned tables, you can set a partition expiration time, which applies to individual partitions within the table. Each partition's data will be deleted once the specified expiration time has elapsed since the creation of that specific partition. This is particularly useful for time-series data, like logs, where you might want to only keep recent data and allow older data to be automatically purged.

   upvoted 2 times

  **Romio2023** 10 months, 2 weeks ago

I dont get the options

   upvoted 2 times

  **kelliot** 10 months, 4 weeks ago

**Selected Answer: B**

I guess it's B

upvoted 2 times

**BAofBK** 11 months, 2 weeks ago

The correct answer is B

upvoted 1 times

**scanner2** 1 year, 1 month ago

**Selected Answer: B**

Provides storage of log entries in BigQuery datasets. You can use big data analysis capabilities on the stored logs. Logging sinks stream logging data into BigQuery in small batches, which lets you query data without running a load job.

You can set a default table expiration time at the dataset level, or you can set a table's expiration time when the table is created. A table's expiration time is often referred to as "time to live" or TTL. When a table expires, it is deleted along with all of the data it contains.

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

[https://cloud.google.com/bigquery/docs/managing-tables#updating\\_a\\_tables\\_expiration\\_time](https://cloud.google.com/bigquery/docs/managing-tables#updating_a_tables_expiration_time)

upvoted 2 times

**Captain1212** 1 year, 1 month ago

**Selected Answer: B**

B is the correct answer, we can use bq to get 60 days logs and analyse

upvoted 1 times

**Neha\_Pallavi** 1 year, 1 month ago

B. Create a Stackdriver Logging Export with a Sink destination to a BigQuery dataset. Configure the table expiration to 60 days.

upvoted 1 times

**Prat25200607** 1 year, 6 months ago

**Selected Answer: B**

<https://cloud.google.com/architecture/security-log-analytics>

upvoted 1 times

**sai\_learner** 2 years, 3 months ago

All options are wrong, they are talking about deletion after 60 days, but questions asks us to analyse logs of past 60 days

upvoted 5 times

**FeaRoX** 1 year, 8 months ago

You are absolutely wrong - meaning of "past 60 days" is same as "last 60 days" in that sentence.

upvoted 1 times

**AzureDP900** 2 years, 4 months ago

B is right for sure

upvoted 1 times

**Tirthankar17** 2 years, 4 months ago

**Selected Answer: B**

B is the correct answer.

upvoted 2 times

**dttncl** 3 years ago

I believe B is the answer.

All that matters in this scenario is the logs for the past 60 days.

We can use BigQuery to analyze contents so C is incorrect. We need to configure a BQ as the sink for the logs export so we can query and analyze log data in the future. Therefore D is incorrect.

<https://cloud.google.com/logging/docs/audit/best-practices#export-best-practices>

Since we only care about the logs within 60 days, we can set the expiration time to 60 to retain only the logs within that time frame. Once data is beyond 60 days old, it wouldn't be included in future analyzations.

[https://cloud.google.com/bigquery/docs/managing-tables#updating\\_a\\_tables\\_expiration\\_time](https://cloud.google.com/bigquery/docs/managing-tables#updating_a_tables_expiration_time)

upvoted 6 times

**ryzior** 2 years, 7 months ago

I think here we have the case described in details:

<https://cloud.google.com/architecture/exporting-stackdriver-logging-for-security-and-access-analytics>



upvoted 1 times

**ankatsu2010** 3 years ago

D should be the correct answer. To 'quickly analyze', you need to use BQ, next, you always need access to the logs 'for

past 60days'. This means you have to export logs on a daily basis. You don't want to do this job manually right?

   upvoted 1 times

  **ankatsu2010** 3 years ago

My apologies, B is correct... 'Sink' can route logging data to BQ automatically.

   upvoted 3 times

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