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Exam Associate Cloud Engineer All Questions

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EXAM ASSOCIATE CLOUD ENGINEER TOPIC 1 QUESTION 169 DISCUSSION

Actual exam question from Google's Associate Cloud Engineer

Question #: 169

Topic #: 1

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Your auditor wants to view your organization's use of data in Google Cloud. The auditor is most interested in auditing who accessed data in Cloud Storage buckets. You need to help the auditor access the data they need. What should you do?

- A. Turn on Data Access Logs for the buckets they want to audit, and then build a query in the log viewer that filters on Cloud Storage.
- B. Assign the appropriate permissions, and then create a Data Studio report on Admin Activity Audit Logs.
- C. Assign the appropriate permissions, and then use Cloud Monitoring to review metrics.
- D. Use the export logs API to provide the Admin Activity Audit Logs in the format they want.

Show Suggested Answer

by [@iri_gcp](#) at March 14, 2021, 10:52 a.m.

Comments

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 [@iri_gcp](#) **Highly Voted**  3 years, 7 months ago

It should be A.

Data access log are not enabled by default due to the fact that it incurs costs.

So you need to enable it first.

And then you can filter it in the log viewer

upvoted 41 times

GCP_Student1 **Highly Voted** 3 years, 7 months ago

A. Turn on Data Access Logs for the buckets they want to audit, and then build a query in the log viewer that filters on Cloud Storage.

upvoted 11 times

Enamfrancis **Most Recent** 3 weeks, 5 days ago

Once again wrong answer. It should be option A

upvoted 1 times

pzacariasf7 7 months, 1 week ago

Selected Answer: A

A. Turn on Data Access Logs for the buckets they want to audit, and then build a query in the log viewer that filters on Cloud Storage.

upvoted 1 times

NoCrapEva 1 year, 1 month ago

IF Data Access Logs had ALREADY been enabled, then option B would be a good answer

Reason - (1) best practice for cloud auditing - enable Admin Activity audit logs, then set IAM permissions

(ref: <https://cloud.google.com/logging/docs/audit/best-practices>)

and (2) Create a Data Studio (now renamed to Looker) report on Admin Activity Audit Logs

(ref: <https://cloud.google.com/looker/docs/looker-core-audit-logging>)

But you cannot assume from the question that Data Access Logs are enabled (NB: they are NOT by default)

upvoted 1 times

Captain1212 1 year, 1 month ago

Selected Answer: A

A is the right answer as first we need to turn on the data access logs

upvoted 1 times

anolive 1 year, 11 months ago

I have doubts about the answer A, the auditor wants to see the audit logs, and in this answer it is not explicit if he will be allowed to see it.

upvoted 1 times

Charumathi 2 years ago

Selected Answer: A

A is the correct answer,

Since the auditor wants to know who accessed the cloud storage data, we need data access logs for cloud storage.

Types of audit logs

Cloud Audit Logs provides the following audit logs for each Cloud project, folder, and organization:

Admin Activity audit logs

Data Access audit logs

System Event audit logs

Policy Denied audit logs

***Data Access audit logs contain API calls that read the configuration or metadata of resources, as well as user-driven API calls that create, modify, or read user-provided resource data.

<https://cloud.google.com/logging/docs/audit#types>

upvoted 2 times

AzureDP900 2 years, 4 months ago

A is right

upvoted 1 times

Jman007 2 years, 4 months ago

Selected Answer: A

question says auditor is most interested in who accessed data in Cloud Storage. im not sure how auditing is done for those who answered A but this means they want the logs for past users who accessed the data from a sepecified time.

Turning on the feature now is kind of too late. poorly written question and answers. No point in an auditor coming in and giving the company all the exact questions they are going to ask and come back and ask them in a few months time. A seems like the better choices though

upvoted 4 times

akshaychavan7 2 years, 5 months ago

If it's A then how will we assign the permission for the auditor to view the logs?

I had chosen option A on the first place, but later changed it considering that the auditor won't have the access to view the logs.

upvoted2 times

peugeotdude 2 years, 5 months ago

Selected Answer: A

Based on how I read the question-

We want Data Access log, not Admin Activity Audit Logs.

upvoted1 times

somenick 2 years, 7 months ago

Selected Answer: A

Data access log are not enabled by default due to the fact that it incurs costs.

So you need to enable it first.

And then you can filter it in the log viewer

upvoted1 times

[Removed] 2 years, 7 months ago

<https://cloud.google.com/logging/docs/audit#data-access>

Cloud Storage: When Cloud Storage usage logs are enabled, Cloud Storage writes usage data to the Cloud Storage bucket, which generates Data Access audit logs for the bucket. The generated Data Access audit log has its caller identity redacted.

upvoted1 times

DaveNZ 2 years, 8 months ago

Selected Answer: A

The majority vote here is A, despite some confusion around the wording of the question. I tend to agree because it's the solution that most closely reflects the requirements of the question (buckets, cloud storage).

upvoted1 times

wh1t4k3r 2 years, 10 months ago

A. I could not find a way to enable audit logs in specific buckets, only on the whole storage level:

<https://cloud.google.com/logging/docs/audit/services>

B. Admin activity audit logs cover admin actions, such as metadata or config changes:

<https://cloud.google.com/logging/docs/audit#admin-activity>

C. Cloud monitoring is not for auditing: <https://cloud.google.com/monitoring>

D. Again, Admin Activity Audit Logs should not be used to audit data access, specially from buckets.

My conclusion: all these answers are wrong. My assumption: A is badly written. Specific buckets were not to be mentioned. I Vote A, but i think this Q&A is messed up. Maybe a correction? or deletion.

upvoted3 times

MarcoDipa 2 years, 10 months ago

Actually, there is a different service named User Logs that permits to focus on a single bucket.

Refer to google page:

<https://cloud.google.com/storage/docs/access-logs>

Usage logs provide information for all of the requests made on a specified bucket

upvoted1 times

obeythefist 2 years, 7 months ago

The question just says "buckets" and hints that the audit should cover all org data, so I don't think there is any need to overanalyse, you are correct in choosing A

upvoted1 times

ericyev 2 years, 10 months ago

I choose D. reason is here: Cloud Audit Logs generates the following audit logs for operations in Cloud Storage:

Admin Activity logs: Entries for operations that modify the configuration or metadata of a project, bucket, or object.

Data Access logs: Entries for operations that modify objects or read a project, bucket, or object. There are several sub-types of data access logs:

ADMIN_READ: Entries for operations that read the configuration or metadata of a project, bucket, or object.

DATA_READ: Entries for operations that read an object.

DATA_WRITE: Entries for operations that create or modify an object.

   upvoted4 times

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