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EXAM ASSOCIATE CLOUD ENGINEER TOPIC 1 QUESTION 27 DISCUSSION

Actual exam question from Google's Associate Cloud Engineer

Question #: 27

Topic #: 1

[All Associate Cloud Engineer Questions]

You have sensitive data stored in three Cloud Storage buckets and have enabled data access logging. You want to verify activities for a particular user for these buckets, using the fewest possible steps. You need to verify the addition of metadata labels and which files have been viewed from those buckets. What should you do?

A. Using the GCP Console, filter the Activity log to view the information.

B. Using the GCP Console, filter the Stackdriver log to view the information.

C. View the bucket in the Storage section of the GCP Console.

D. Create a trace in Stackdriver to view the information.

Show Suggested Answer

by **coldpar** at *March 15, 2020, 10:26 p.m.*

Comments

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iamgcp `Highly Voted` **4 years, 5 months ago**

A is correct. As mentioned in the question, data access logging is enabled. I tried to download a file from a bucket and was able to view this information in Activity tab in console

upvoted 51 times

    RegisFTM **2 years, 10 months ago**

    I did all the configuration enabling data access logging but I still not able to see the logs when uploading or downloading a file. Does someone here has done it with a different result?

    upvoted 1 times

    ryumada **2 years, 2 months ago**

    I agree with liyux21 and vito9630. In this reference link below says:

    In the Activity page, where the identity performing logged actions is redacted from the audit log entry, User (anonymized) is displayed.

    Beacause of this, I think you can't verify the addition of metadata labels through Activity Logs.

    https://cloud.google.com/logging/docs/audit#view-activity

    upvoted 1 times

    MEHDIGRB **2 years ago**

    activity log is deprecated:

    https://cloud.google.com/compute/docs/logging/activity-logs

    upvoted 3 times

        barathgdkrish **1 year, 10 months ago**

        You need to see here, https://cloud.google.com/compute/docs/logging/audit-logging. Admin activity audit logs.

        upvoted 1 times

        Rog_4444 **1 year, 7 months ago**

        Yes, it is deprecated. However, it became the audit log which is exactly what this question is referring to. Option A is correct in my opinion.

        upvoted 2 times

    vito9630 **4 years, 4 months ago**

    data access logging don't provide information about addition of metada, so B is correct

    upvoted 24 times

eliteone11 `Highly Voted` **3 years, 10 months ago**

Answer is A. Activity log does indeed show information about metadata.
I agree with Eshkrkrkr based on https://cloud.google.com/storage/docs/audit-logs Admin Activity logs: Entries for operations that modify the configuration or metadata of a project, bucket, or object.

upvoted 15 times

    injarapu **2 years, 7 months ago**

    'Admin activity logs' capture metadata modification, but its different from 'Data Access logging', right ?

    upvoted 2 times

KC_go_reply `Most Recent` **4 days ago**

`Selected Answer: A`

The correct answer is A. Using the GCP Console, filter the Activity log to view the information.

Data access logs for Cloud Storage buckets are not stored in Stackdriver Logging (formerly Stackdriver). They are stored in the Activity Log, a centralized log for all GCP activity. The Activity Log allows filtering by resource (the specific buckets), user, and activity type (adding metadata labels, viewing files). Options B, C, and D won't show this detailed access information. Therefore, directly querying the Activity Log provides the most efficient and accurate way to find the required information.

upvoted 1 times

Jakang **5 days, 10 hours ago**

`Selected Answer: A`

Cloud Audit Logs (Activity Logs):These logs track who did what, where, and when within Google Cloud resources, which is crucial for security and compliance.

upvoted 1 times

sivakarthick16 **2 weeks, 1 day ago**

`Selected Answer: A`

B is incorrect because data access logs can be viewed from Activity logs and not Stackdriver logs. Filtering the logs in

Stackdriver logging may provide some information, but it may not be as specific and targeted as viewing the Audit log in the GCP console. Stackdriver logging is a more general log management and analysis tool, whereas the Audit log is specifically designed for tracking and monitoring activities in Google Cloud services.

upvoted 1 times

jaydee7 2 weeks, 5 days ago

Selected Answer: B

Apparently Stackdriver logging is depreciated and new is Cloud logging as per below answer I got from ChatGPI : Filter the logs in Cloud Logging (formerly Stackdriver Logging) for that specific user and the bucket resources.

upvoted 1 times

DUDU_BUBU 4 weeks ago

Using the GCP Console, filter the Activity log
to view the information. This is because Google Cloud Platform's Activity log is
specifically designed to record and store actions performed by users, such as the
addition of metadata labels and file access in Cloud Storage buckets. Filtering
the Activity log by the specific user will help you quickly verify the actions they
have taken, fulfilling the requirement with the fewest possible steps.

upvoted 1 times

nubelukita45852 1 month ago

Selected Answer: B

Los registros de acceso a los datos para Cloud Storage se almacenan en Cloud Logging (anteriormente Stackdriver Logging). Para verificar actividades específicas, como la adición de etiquetas de metadatos y el acceso a archivos en depósitos, debes filtrar los registros en Cloud Logging. Esto te permitirá ver las acciones realizadas por un usuario en particular de forma detallada.

A es incorrecta, ya que la consola de actividad solo muestra actividades administrativas y no incluye los registros de acceso a los datos.
C no te permite ver un historial de actividades o registros de acceso.
D es innecesario, ya que puedes acceder directamente a los registros en Cloud Logging sin necesidad de crear un seguimiento adicional.

upvoted 1 times

RJ78 1 month, 1 week ago

Selected Answer: B

B. Using the GCP Console, filter the Stackdriver log to view the information.

Here's why:

Data Access Logging: Data access logging captures information about actions performed on Cloud Storage buckets, including metadata changes and file views.
Stackdriver Logging: This service collects and stores logs from various Google Cloud services, including Cloud Storage data access logs.
Filtering: You can use Stackdriver Logging's filtering capabilities to narrow down the logs to the specific user and activities you're interested in (adding metadata labels and viewing files).
This approach provides a direct and efficient way to verify the desired information without requiring additional steps or tools.

upvoted 1 times

Timfdklfajlksdjlakf 1 month, 3 weeks ago

Selected Answer: B

Stackdriver now known as Cloud Logging captures detailed logs for various GCP services, including Cloud Storage. Since you've enabled data access logging, the logs should contain records of actions such as viewing files, modifying metadata, and other access activities. This method is more comprehensive than the Activity log (which primarily tracks high-level operations) and gives you the ability to drill down into specific events, which is necessary for sensitive data verification.

upvoted 1 times

BuenaCloudDE 3 months ago

Selected Answer: B

Addition of metadata labels.

upvoted 1 times

Temertsa 3 months, 1 week ago

Selected Answer: A

Activity Log
Usage: Useful for auditing and tracking changes made by users or service accounts to the GCP resources.
Stackdriver Log
Usage: Useful for monitoring the behavior of applications, diagnosing issues, and understanding the operational state of your system

NMG264 4 months, 3 weeks ago

Selected Answer: B

Answer is B. Explanation: Activity Logs are essential for tracking administrative and system actions for security and compliance, while Cloud Logging (formerly known as Stackdriver Logging) offers a comprehensive solution for collecting, analyzing, and monitoring a wide range of logs from various sources. Also, the addition of metadata labels can be verified in Cloud Logging only.

Ash_Win47 5 months, 1 week ago

B is the correct answer

rafcio1990 5 months, 2 weeks ago

Selected Answer: A

After asking Microsoft Copilot, I got B as a correct answer, but here is what Google Gemini replied:

"

The best option to verify activities for a particular user with the fewest steps is to:
* A. Using the GCP Console, filter the Activity log to view the information.

Here's why the other options are less suitable:

* B. Stackdriver Logs: While Stackdriver Logs can be used for broader GCP activity logging, Cloud Storage access logs are specifically captured in the Activity log.
* C. Viewing the Bucket: This option only shows the current state of the bucket and doesn't provide historical activity information.
* D. Stackdriver Trace: Creating a trace is for monitoring service calls and dependencies, not user activity on Cloud Storage buckets.

By filtering the Activity log for the specific user and the relevant Cloud Storage buckets, you can efficiently see actions like adding metadata labels and viewing files.
"

DWT33004 6 months, 3 weeks ago

Selected Answer: B

The correct option to verify activities for a particular user, including the addition of metadata labels and viewed files from Cloud Storage buckets, with the fewest possible steps is:

B. Using the GCP Console, filter the Stackdriver log to view the information.

Explanation:

Stackdriver logging captures logs for various GCP services, including Cloud Storage. By filtering the Stackdriver logs, you can easily view activities such as metadata changes and file accesses for the specified user across multiple buckets. This method allows you to access the relevant information in a centralized manner, minimizing the number of steps required to gather the required insights.

sinh 9 months, 2 weeks ago

Selected Answer: B

https://cloud.google.com/logging/docs/audit#view-logs

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