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## Exam Professional Cloud Security Engineer All Questions

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### 📄 EXAM PROFESSIONAL CLOUD SECURITY ENGINEER TOPIC 1 QUESTION 10 DISCUSSION

Actual exam question from Google's Professional Cloud Security Engineer

Question #: 10

Topic #: 1

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Your team needs to obtain a unified log view of all development cloud projects in your SIEM. The development projects are under the NONPROD organization folder with the test and pre-production projects. The development projects share the ABC-BILLING billing account with the rest of the organization.

Which logging export strategy should you use to meet the requirements?

- A. 1. Export logs to a Cloud Pub/Sub topic with folders/NONPROD parent and includeChildren property set to True in a dedicated SIEM project. 2. Subscribe SIEM to the topic.
- B. 1. Create a Cloud Storage sink with billingAccounts/ABC-BILLING parent and includeChildren property set to False in a dedicated SIEM project. 2. Process Cloud Storage objects in SIEM.
- C. 1. Export logs in each dev project to a Cloud Pub/Sub topic in a dedicated SIEM project. 2. Subscribe SIEM to the topic.
- D. 1. Create a Cloud Storage sink with a publicly shared Cloud Storage bucket in each project. 2. Process Cloud Storage objects in SIEM.

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by [KILLMAD](#) at March 10, 2020, 2:53 p.m.


### Comments

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  **xhova** Highly Voted  5 years, 3 months ago

Answer is A. [https://cloud.google.com/logging/docs/export/aggregated\\_sinks](https://cloud.google.com/logging/docs/export/aggregated_sinks)

   upvoted 34 times

  **Ishu\_aws guy** 2 years, 8 months ago

with this you would also be getting logs for Preprod and other environments under the folder. Hence A is eliminated.  
Answer should be C

   upvoted 9 times

  **civilizador** 2 years ago

But that is exactly what requiremnets says in the question. ALL development projects. Now we have 2 tomorrow we are going to have 10 . Clearly answer is A

   upvoted 1 times

  **ppandher** 1 year, 9 months ago

This property "includeChildren parameter to True" as per your above link will route logs from folder, billing accounts + Projects -- I think that's not a Unified View of logs ?

   upvoted 1 times

  **TNT87** Highly Voted  4 years, 5 months ago

To use the aggregated sink feature, create a sink in a Google Cloud organization or folder and set the sink's includeChildren parameter to True. That sink can then export log entries from the organization or folder, plus (recursively) from any contained folders, billing accounts, or projects. You can use the sink's filter to specify log entries from projects, resource types, or named logs.

[https://cloud.google.com/logging/docs/export/aggregated\\_sinks](https://cloud.google.com/logging/docs/export/aggregated_sinks)

so the Ans is A

   upvoted 9 times

  **adhi\_infra\_sec** Most Recent  3 weeks, 3 days ago

Selected Answer: C

I'm still confused why the right answer is A. I choose C even though will put operationally heavy and error-prone. What I understand is the team only needs "development" projects, and the "development" project is under NONPROD folder along with other projects ("test" and "pre-production"). All these projects use the same billing account.

But the goal is only send dev project logs to the SIEM, not including test or pre-production projects.

Option C is give me guarantee that only dev projects logs are being sent to Pub/Sub in a dedicated SIEM project. then the topic is consume by SIEM

   upvoted 1 times

  **adhi\_infra\_sec** 3 weeks, 3 days ago

in real-word best practice:

- use log sink at NONPROD folder level
- set includeChildren=true
- apply a log filter that targets only development projects IDs

   upvoted 1 times

  **adhi\_infra\_sec** 3 weeks, 3 days ago

option A will be correct if there's statement that you should also configure/apply a filter to only export logs from dev projects. If this statement there, I'm 100% choose A

   upvoted 1 times

  **BPzen** 8 months, 2 weeks ago

Selected Answer: A

By setting the parent resource to folders/NONPROD and includeChildren to True, you specifically capture logs from all projects within the NONPROD folder (test and pre-production). This avoids collecting logs from other parts of the organization.

   upvoted 1 times

  **Mr\_MIXER007** 11 months ago

Selected Answer: A

Answer is A.

   upvoted 3 times

  **3d9563b** 1 year ago

Selected Answer: A

Centralized Export: By exporting logs at the folder level with includeChildren set to True, you centralize the logging export process. This setup ensures that all logs from the relevant projects under the NONPROD folder are captured without needing

process. This setup ensures that all logs from the relevant projects under the NONPROD folder are captured without needing individual setups for each project.

Real-Time Processing: Using a Cloud Pub/Sub topic allows for real-time log export to your SIEM, which is beneficial for timely log analysis and monitoring.

   upvoted 1 times

  **Sayl007\_** 1 year, 3 months ago

It can't be C because exporting logs from each development project individually is more complex to manage and requires subscribing your SIEM to multiple topics.


   upvoted 1 times

  **dija123** 1 year, 4 months ago

**Selected Answer: A**

Answer is A

   upvoted 2 times

  **nccdebug** 1 year, 5 months ago



Option C suggests exporting logs to individual Cloud Pub/Sub topics for each dev project, which may not provide a unified view of all development projects' logs.

   upvoted 1 times

  **ppandher** 1 year, 9 months ago

As per my understanding the Folder NON PROD has three Projects test,nonprod & dev. The questions unified logs from dev only, setting Children properties on FOLDER will extract logs from other two projects which we do not want . so export logs from dev is only solution here - Correct me if I am wrong here ?

   upvoted 4 times

  **Xoxoo** 1 year, 10 months ago

**Selected Answer: A**

Option A is the recommended logging export strategy to meet the requirements:

A. Export logs to a Cloud Pub/Sub topic with folders/NONPROD parent and includeChildren property set to True in a dedicated SIEM project. Subscribe SIEM to the topic.



Here's why this option is suitable:

It exports logs from all development cloud projects under the NONPROD organization folder, ensuring a unified view. The use of the "includeChildren" property set to True allows you to capture logs from all child projects within the folder hierarchy.

Exporting logs to a Cloud Pub/Sub topic provides a scalable and real-time way to stream logs to an external system like your SIEM.

Subscribing the SIEM to the Pub/Sub topic enables it to consume and process the logs effectively.

   upvoted 2 times

  **Xoxoo** 1 year, 10 months ago

Option B may work but is less efficient because it exports logs separately from each project and relies on Cloud Storage, which may not be as real-time as Pub/Sub for log streaming.

Option C would require configuring exports individually for each dev project, which can be cumbersome to manage and doesn't provide a unified view without additional aggregation.

Option D is not recommended because it involves creating publicly shared Cloud Storage buckets in each project, which can lead to security and access control issues. It's also less centralized than using Pub/Sub for log export.

   upvoted 1 times

  **283c101** 2 years, 2 months ago

Answer is C

   upvoted 3 times

  **iftikhar\_ahmed** 2 years, 3 months ago

Answer should be C. please refer the below link

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

   upvoted 3 times

  **shetniel** 2 years, 5 months ago

**Selected Answer: C**

1. They require a unified view of all Dev projects - didn't however mention pre-prod and test otherwise A would have been the right one. Hence C seems to be more accurate.



   upvoted 3 times

  **marrechea** 2 years, 5 months ago

**Selected Answer: A**

Definitely A

   upvoted 4 times



  **DA95** 2 years, 7 months ago

Option B is not correct because setting the includeChildren property to False will exclude the test and pre-production projects from the log export.

Option C is not correct because it would require you to create a separate Cloud Pub/Sub topic for each development project, which would not meet the requirement to obtain a unified log view of all development projects.

Option D is not correct because using a publicly shared Cloud Storage bucket would not provide a secure way to store and access the logs. It is generally not recommended to use publicly shared Cloud Storage buckets for storing sensitive data such as logs.

   upvoted 1 times

  **PST21** 2 years, 7 months ago

You can create aggregated sinks for Google Cloud folders and organizations. Because neither Cloud projects nor billing accounts contain child resources, you can't create aggregated sinks for those. which means logs will be for the folder and contains non dev entries as well

Ans -C

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