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Exam Professional Machine Learning Engineer All Questions

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EXAM PROFESSIONAL MACHINE LEARNING ENGINEER TOPIC 1 QUESTION 17 DISCUSSIO..

Actual exam question from Google's Professional Machine Learning Engineer

Question #: 17

Topic #: 1

[All Professional Machine Learning Engineer Questions]

You are building a real-time prediction engine that streams files which may contain Personally Identifiable Information (PII) to Google Cloud. You want to use the

Cloud Data Loss Prevention (DLP) API to scan the files. How should you ensure that the PII is not accessible by unauthorized individuals?

- A. Stream all files to Google Cloud, and then write the data to BigQuery. Periodically conduct a bulk scan of the table using the DLP API.
- B. Stream all files to Google Cloud, and write batches of the data to BigQuery. While the data is being written to BigQuery, conduct a bulk scan of the data using the DLP API.
- C. Create two buckets of data: Sensitive and Non-sensitive. Write all data to the Non-sensitive bucket. Periodically conduct a bulk scan of that bucket using the DLP API, and move the sensitive data to the Sensitive bucket.
- D. Create three buckets of data: Quarantine, Sensitive, and Non-sensitive. Write all data to the Quarantine bucket.

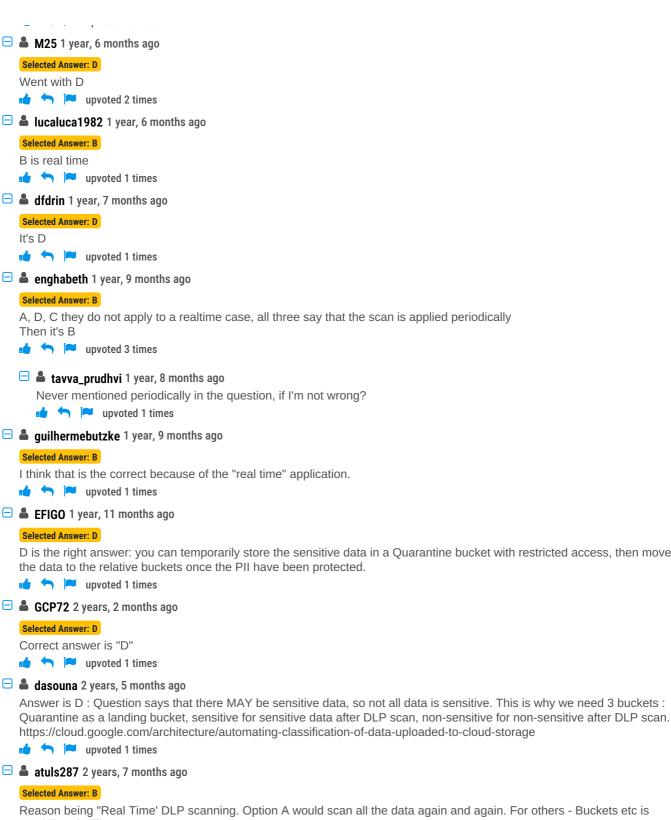
 Periodically conduct a bulk scan of that bucket using the DLP API, and move the data to either the Sensitive or Non-Sensitive bucket.

Show Suggested Answer

by A chohan at June 16, 2021, 1:58 p.m.

Type your comment... **Submit** 😑 🚨 chohan (Highly Voted 🐠 3 years, 4 months ago Should be D https://cloud.google.com/architecture/automating-classification-of-data-uploaded-to-cloudstorage#building_the_quarantine_and_classification_pipeline upvoted 25 times 🖃 🏜 Swagluke 3 years, 2 months ago All PII should be Sensitive data, that's why I think the answer is A. upvoted 1 times ■ u_phoria 2 years, 3 months ago Option D, as documented in that link (a fully automated process, using Cloud Functions - rather than a "periodic" scan as worded in the question), would be my choice. It's easier than B, which would work for a real-time scenario - but would require loads more custom work to implement (things like batching, segmentation, triggering). A and C are 'reactive' / periodic, and so not appropriate for the given scenario. upvoted 1 times ■ maartenalexander Highly Voted 3 years, 4 months ago D; others pose risks upvoted 5 times ☐ ♣ Choisus Most Recent ② 1 week, 5 days ago Selected Answer: B why not b, it requires real-time right? upvoted 1 times PhilipKoku 5 months ago Selected Answer: D D) The best choice for this scenario would be D. Create three buckets of data: Quarantine, Sensitive, and Non-sensitive. Write all data to the Quarantine bucket. Periodically conduct a bulk scan of that bucket using the DLP API, and move the data to either the Sensitive or Non-Sensitive bucket. upvoted 1 times fragkris 11 months, 1 week ago Selected Answer: D D - Quarantine bucket is the google reccomended approach upvoted 2 times 🗖 🏜 tavva prudhvi 1 year ago **Selected Answer: D** Option B does not provide a clear separation between sensitive and non-sensitive data before it is written to BigQuery, which means that PII might be exposed during the process. But, in D offers a better level of security by writing all the data to a Quarantine bucket first. This way, the DLP API can scan and categorize the data into Sensitive or Non-sensitive buckets before it is further processed or stored. This ensures that PII is not accessible by unauthorized individuals, as the sensitive data is identified and separated from the non-sensitive data before any further actions are taken. upvoted 1 times ago harithacML 1 year, 4 months ago Selected Answer: D real-time prediction engine, that streams files to Google Cloud. PII is not accessible by unauthorized individuals. upvoted 1 times 🗀 🏜 Liting 1 year, 4 months ago Selected Answer: D

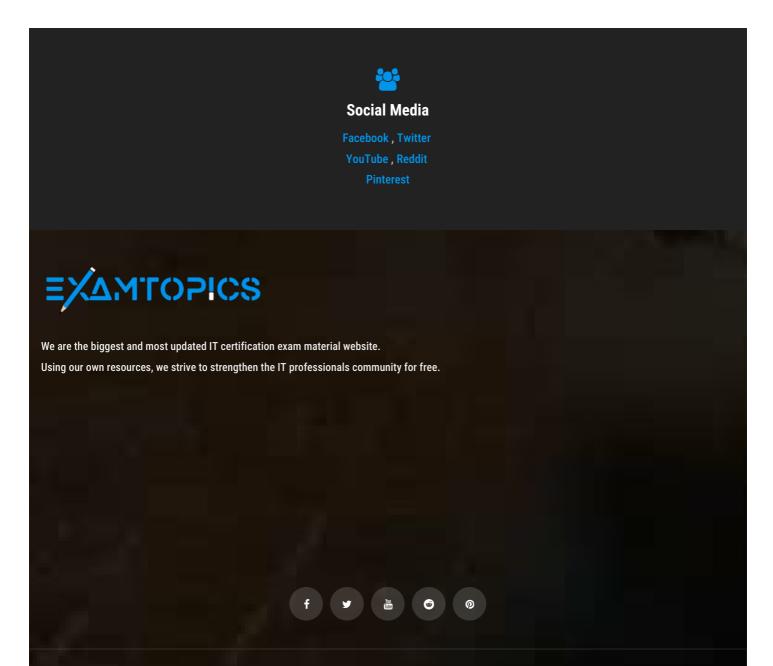
D should be the correct answer upvoted 1 times



overkill and offline process.

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