← **Google Discussions**

Exam Professional Cloud Security Engineer All Questions
View all questions & answers for the Professional Cloud Security Engineer exam

Go to Exam

📄 **EXAM PROFESSIONAL CLOUD SECURITY ENGINEER TOPIC 1 QUESTION 124 DISCUSSION**

Actual exam question from Google's Professional Cloud Security Engineer
Question #: 124
Topic #: 1

[All Professional Cloud Security Engineer Questions]

You are working with protected health information (PHI) for an electronic health record system. The privacy officer is concerned that sensitive data is stored in the analytics system. You are tasked with anonymizing the sensitive data in a way that is not reversible. Also, the anonymized data should not preserve the character set and length. Which Google Cloud solution should you use?

A. Cloud Data Loss Prevention with deterministic encryption using AES-SIV

B. Cloud Data Loss Prevention with format-preserving encryption

C. Cloud Data Loss Prevention with cryptographic hashing

D. Cloud Data Loss Prevention with Cloud Key Management Service wrapped cryptographic keys

Show Suggested Answer

by 👤 Tabayashi at *April 29, 2022, 3:25 a.m.*

Comments

Type your comment...

Submit

☐ 👤 **Tabayashi** 👍 Highly Voted 👍 2 years, 9 months ago

Answer is (C).

The only option that is irreversible is cryptographic hashing.
https://cloud.google.com/dlp/docs/pseudonymization?hl=JA&skip_cache=true#supported-methods

👍 ↩ 🚩 upvoted 20 times

⊟ 👤 **AzureDP900** 2 years, 2 months ago
Agreed
C is right
👍 ↩ 🚩 upvoted 1 times

⊟ 👤 **oezgan** Most Recent ⊙ 10 months, 2 weeks ago
Gemini says: Restricted Endpoints: While restricted.googleapis.com can be used for private access, it's recommended to use private.googleapis.com for newer services and broader compatibility.
👍 ↩ 🚩 upvoted 1 times

⊟ 👤 **mackarel22** 1 year, 8 months ago

Selected Answer: C

Hash is not reversible, thus C
👍 ↩ 🚩 upvoted 4 times

⊟ 👤 **AwesomeGCP** 2 years, 3 months ago

Selected Answer: C

C. Cloud Data Loss Prevention with cryptographic hashing
👍 ↩ 🚩 upvoted 2 times

⊟ 👤 **sumundada** 2 years, 6 months ago

Selected Answer: C

https://cloud.google.com/dlp/docs/pseudonymization
👍 ↩ 🚩 upvoted 1 times

⊟ 👤 **cloudprincipal** 2 years, 7 months ago

Selected Answer: C

Tabayashi is correct.
No format preserving and irrversible are the key requirements
👍 ↩ 🚩 upvoted 2 times