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📄 **EXAM PROFESSIONAL CLOUD SECURITY ENGINEER TOPIC 1 QUESTION 178 DISCUSSION**

Actual exam question from Google's Professional Cloud Security Engineer

Question #: 178

Topic #: 1

[All Professional Cloud Security Engineer Questions]

An organization wants to track how bonus compensations have changed over time to identify employee outliers and correct earning disparities. This task must be performed without exposing the sensitive compensation data for any individual and must be reversible to identify the outlier.

Which Cloud Data Loss Prevention API technique should you use?

- A. Cryptographic hashing
- B. Redaction
- C. Format-preserving encryption
- D. Generalization

Show Suggested Answer

by 👤 **TNT87** at *March 22, 2023, 10:23 a.m.*

Comments

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👤 **mjcts** 1 year ago

Selected Answer: C

C - it's reversible

👍 ↩ 🚩 upvoted 1 times

👤 **i_am_robot** 1 year, 1 month ago

Selected Answer: C

The best option would be C. Format-preserving encryption.

Format-preserving encryption (FPE) allows you to encrypt sensitive data in a way that maintains the format of the input data. This is particularly useful when you need to use encrypted data in systems that require data in a specific format. Importantly, FPE is reversible, meaning you can decrypt the data back to its original form when necessary. This would allow the organization to track changes over time and identify outliers, without exposing sensitive compensation data.

👍 ↩ 🚩 upvoted 3 times

👤 **cyberpunk21** 1 year, 5 months ago

Selected Answer: C

C is correct

👍 ↩ 🚩 upvoted 1 times

👤 **ymkk** 1 year, 5 months ago

Selected Answer: C

format-preserving encryption is the best technique because:
- It preserves the original data format
- It is reversible
- It allows operations like sorting and searching
- It protects the sensitive data through encryption except when needed to identify outliers

👍 ↩ 🚩 upvoted 4 times

👤 **akg001** 1 year, 5 months ago

Selected Answer: D

D - right

👍 ↩ 🚩 upvoted 2 times

👤 **Mithung30** 1 year, 5 months ago

Selected Answer: C

Correct is C

👍 ↩ 🚩 upvoted 1 times

👤 **marrechea** 1 year, 10 months ago

Answer C

👍 ↩ 🚩 upvoted 2 times

👤 **TNT87** 1 year, 10 months ago

Selected Answer: C

Answer C

👍 ↩ 🚩 upvoted 3 times

👤 **TNT87** 1 year, 10 months ago

Selected Answer: D

Answer D

👍 ↩ 🚩 upvoted 1 times

👤 **TNT87** 1 year, 10 months ago

Generalization is irrevesible . thats makes C the answer

👍 ↩ 🚩 upvoted 2 times