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### Exam Professional Cloud Security Engineer All Questions

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## EXAM PROFESSIONAL CLOUD SECURITY ENGINEER TOPIC 1 QUESTION 286 DISCUSSION

Actual exam question from Google's Professional Cloud Security Engineer

Question #: 286

Topic #: 1

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Your application development team is releasing a new critical feature. To complete their final testing, they requested 10 thousand real transaction records. The new feature includes format checking on the primary account number (PAN) of a credit card. You must support the request and minimize the risk of unintended personally identifiable information (PII) exposure. What should you do?

- A. Run the new application by using Confidential Computing to ensure PII and card PAN is encrypted in use.
- B. Scan and redact PII from the records by using the Cloud Data Loss Prevention API. Perform format-preserving encryption on the card PAN.
- C. Encrypt the records by using Cloud Key Management Service to protect the PII and card PAN.
- D. Build a tool to replace the card PAN and PII fields with randomly generated values.

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by  yokoyan at Sept. 6, 2024, 1:50 a.m.

### Comments

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🗄️ 👤 **Pime13** 7 months, 3 weeks ago

**Selected Answer: B**

<https://cloud.google.com/architecture/de-identification-re-identification-pii-using-cloud-dlp>

<https://cloud.google.com/blog/products/identity-security/taking-charge-of-your-data-using-cloud-dlp-to-de-identify-and-obfuscate-sensitive-information>.

Using the Cloud Data Loss Prevention (DLP) API to scan and redact PII, combined with format-preserving encryption, directly addresses the need to protect sensitive data while maintaining the necessary format for testing. This ensures that the development team can perform their tests without exposing real PII.

👍 🔄 🚩 upvoted 1 times

🗄️ 👤 **KLei** 8 months, 2 weeks ago

**Selected Answer: B**

A (Confidential Computing) may not directly address the need to redact and protect PII before testing.

👍 🔄 🚩 upvoted 1 times

🗄️ 👤 **dat987** 9 months, 2 weeks ago

**Selected Answer: B**

I think B

👍 🔄 🚩 upvoted 1 times

🗄️ 👤 **koo\_kai** 9 months, 2 weeks ago

**Selected Answer: B**

format check

👍 🔄 🚩 upvoted 2 times

🗄️ 👤 **json4u** 9 months, 2 weeks ago

B can preserving the format for testing purposes while ensuring that the actual data remains protected. But, A doesn't address the issue of storing or sharing PII securely for testing.

👍 🔄 🚩 upvoted 1 times

🗄️ 👤 **brpjp** 10 months, 1 week ago

Answer B is correct. A - is missing this requirement - The new feature includes format checking on the primary account number (PAN) of a credit card. By encrypting you will not preserve the format.

👍 🔄 🚩 upvoted 4 times

🗄️ 👤 **Ponchi14** 10 months, 3 weeks ago

**Selected Answer: A**

A is correct. Redacting PII beats the purposed of using real transaction records

👍 🔄 🚩 upvoted 1 times

🗄️ 👤 **KLei** 8 months, 2 weeks ago

real tx doesn't mean real PAN

👍 🔄 🚩 upvoted 1 times

🗄️ 👤 **yokoyan** 10 months, 3 weeks ago

**Selected Answer: A**

I think it's A.

👍 🔄 🚩 upvoted 1 times

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