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# **Exam Professional Cloud Security Engineer All Questions**

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# **EXAM PROFESSIONAL CLOUD SECURITY ENGINEER TOPIC 1 QUESTION 100 DISCUSSION**

Actual exam question from Google's Professional Cloud Security Engineer

Question #: 100

Topic #: 1

[All Professional Cloud Security Engineer Questions]

You need to implement an encryption at-rest strategy that reduces key management complexity for non-sensitive data and protects sensitive data while providing the flexibility of controlling the key residency and rotation schedule. FIPS 140-2 L1 compliance is required for all data types. What should you do?

- A. Encrypt non-sensitive data and sensitive data with Cloud External Key Manager.
- B. Encrypt non-sensitive data and sensitive data with Cloud Key Management Service
- C. Encrypt non-sensitive data with Google default encryption, and encrypt sensitive data with Cloud External Key Manager.
- D. Encrypt non-sensitive data with Google default encryption, and encrypt sensitive data with Cloud Key Management Service.

**Show Suggested Answer** 

by 8 mouchu at May 17, 2022, 9:44 a.m.

## **Comments**

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Selected Answer: D

and we have an experience of the second

Both B and D seem correct tbh. D might be "more correct" depending on the interpretation.

"reduces key management complexity for non-sensitive data" - Google default encryption
"protects sensitive data while providing the flexibility of controlling the key residency and rotation schedule" - Customer
Managed Key

upvoted 6 times

☐ ♣ AzureDP900 2 years, 8 months ago

I agree, D is right

upvoted 2 times

### Selected Answer: D

D is the answer.

upvoted 5 times

☐ ♣ Zek Most Recent ② 7 months, 3 weeks ago

#### Selected Answer: D

https://cloud.google.com/kms/docs/key-management-service#choose

For example, you might use software keys for your least sensitive data and hardware or external keys for your most sensitive data.

FIPS 140-2 Level 1 validated applies to both Google default encryption and Cloud Key Management Service (KMS)

upvoted 1 times

🖃 🏜 dija123 1 year, 4 months ago

### Selected Answer: D

D. Encrypt non-sensitive data with Google default encryption, and encrypt sensitive data with Cloud Key Management Service (KMS)

upvoted 1 times

🖃 🏜 MHD84 1 year, 11 months ago

corrcet Answer is D, both KMS and default encryption are FIPS 140-2 L1 compliance https://cloud.google.com/kms/docs/key-management-service#choose

upvoted 3 times

[Removed] 2 years ago

## **Selected Answer: D**

"D"

Default encryption is Fips 140-2 L2 compliant (reference A below). Cloud KMS provides the rotation convenience desired (reference B below).

### References:

A- https://cloud.google.com/docs/security/encryption/default-encryption

B- https://cloud.google.com/docs/security/key-management-deep-dive

upvoted 3 times

🗖 🚨 passex 2 years, 7 months ago

"reduces key management" & "FIPS 140-2 L1 compliance is required for all data types" - strongly suggests answer B

upvoted 1 times

🖃 🏜 rrvv 2 years, 10 months ago

As FIPS 140-2 L1 compliance is required for all types of data, Cloud KMS should be used to manage encryption. Correct answer is B

https://cloud.google.com/docs/security/key-management-deep-dive#software-protection-deep-dive#software-deep-dive#software-deep-dive#software-deep-dive#sof

 $level: \verb|-:text=The%| 20Cloud%| 20KMS%| 20binary%| 20is%| 20is%|$ 

upvoted 1 times

■ sumundada 3 years ago

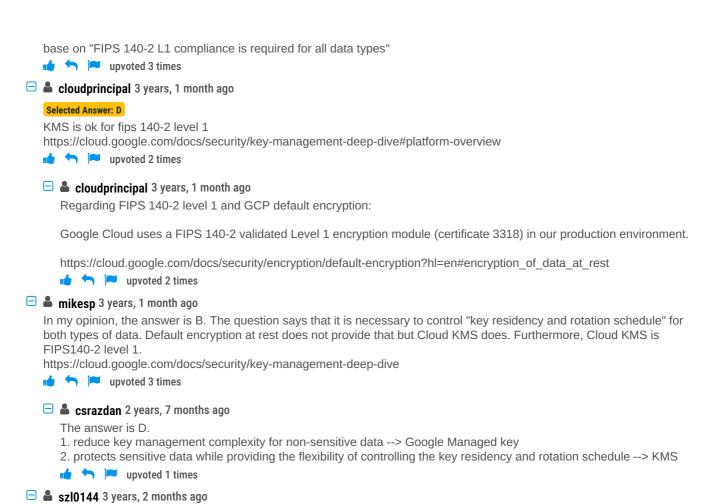
# Selected Answer: D

Google uses a common cryptographic library, Tink, which incorporates our FIPS 140-2 Level 1 validated module, BoringCrypto, to implement encryption consistently across almost all Google Cloud products. To provideflexibility of controlling the key residency and rotation schedule, use google provided key for non-sensitive and encrypt sensitive data with Cloud Key Management Service

upvoted 3 times

🗆 🏜 nacying 3 years, 1 month ago

Selected Answer: B



D is the wander

Answer = D

upvoted 3 times

