

 Google Discussions

### Exam Professional Cloud Security Engineer All Questions

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## EXAM PROFESSIONAL CLOUD SECURITY ENGINEER TOPIC 1 QUESTION 136 DISCUSSION

Actual exam question from Google's Professional Cloud Security Engineer

Question #: 136

Topic #: 1

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Your security team uses encryption keys to ensure confidentiality of user data. You want to establish a process to reduce the impact of a potentially compromised symmetric encryption key in Cloud Key Management Service (Cloud KMS).

Which steps should your team take before an incident occurs? (Choose two.)


- A. Disable and revoke access to compromised keys.
- B. Enable automatic key version rotation on a regular schedule.
- C. Manually rotate key versions on an ad hoc schedule.
- D. Limit the number of messages encrypted with each key version.
- E. Disable the Cloud KMS API.

[Show Suggested Answer](#)

by [deleted] at *Sept. 12, 2022, 5:40 a.m.*

### Comments

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 **parasthakur** [Highly Voted](#)  2 years, 4 months ago

**Selected Answer: BD**

Should be BD. A is wrong because there is no comprise happened as the question states "before an incident".

As per document "Limiting the number of messages encrypted with the same key version helps prevent attacks enabled by cryptanalysis."

<https://cloud.google.com/kms/docs/key-rotation>

👍 ↩ 🚩 upvoted 10 times

🗄️ 👤 **zellck** Highly Voted 👍 2 years, 4 months ago

**Selected Answer: BD**

BD is the answer. The steps need to be done BEFORE an incident occurs.

👍 ↩ 🚩 upvoted 9 times

🗄️ 👤 **AzureDP900** 2 years, 2 months ago

Yes, B and D

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🗄️ 👤 **glb2** Most Recent 🕒 10 months, 2 weeks ago

**Selected Answer: AB**

A. Disable and revoke access to compromised keys.

B. Enable automatic key version rotation on a regular schedule.

👍 ↩ 🚩 upvoted 1 times

🗄️ 👤 **glb2** 10 months, 1 week ago

I think I made a mistake.

After consideration the correct answer is B and D.

👍 ↩ 🚩 upvoted 1 times

🗄️ 👤 **PST21** 2 years, 1 month ago

You want to reduce the impact - which will be post the issue has occurred so has to be AB.

If asked for preventive steps then B & D.

👍 ↩ 🚩 upvoted 2 times

🗄️ 👤 **spiritix821** 2 years, 1 month ago

<https://cloud.google.com/kms/docs/key-rotation> -> "If you suspect that a key version is compromised, disable it and revoke access to it as soon as possible" so A could be correct. do you agree?

👍 ↩ 🚩 upvoted 2 times

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

**Selected Answer: BD**

B. Enable automatic key version rotation on a regular schedule.

D. Limit the number of messages encrypted with each key version.

👍 ↩ 🚩 upvoted 3 times

🗄️ 👤 **GHOST1985** 2 years, 3 months ago

**Selected Answer: BD**

Answers BD

👍 ↩ 🚩 upvoted 1 times

🗄️ 👤 **parasthakur** 2 years, 4 months ago

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