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Exam Professional Cloud Security Engineer All Questions

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EXAM PROFESSIONAL CLOUD SECURITY ENGINEER TOPIC 1 QUESTION 24 DISCUSSION

Actual exam question from Google's Professional Cloud Security Engineer

Question #: 24

Topic #: 1

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A company's application is deployed with a user-managed Service Account key. You want to use Google-recommended practices to rotate the key.

What should you do?

- A. Open Cloud Shell and run `gcloud iam service-accounts enable-auto-rotate --iam-account=IAM_ACCOUNT`.
- B. Open Cloud Shell and run `gcloud iam service-accounts keys rotate --iam-account=IAM_ACCOUNT --key=NEW_KEY`.
- C. Create a new key, and use the new key in the application. Delete the old key from the Service Account.
- D. Create a new key, and use the new key in the application. Store the old key on the system as a backup key.

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by [aiwaai](#) at Aug. 19, 2020, 4:31 a.m.

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mdc Highly Voted 3 years, 7 months ago

C is correct. As explained, You can rotate a key by creating a new key, updating applications to use the new key, and deleting the old key. Use the `serviceAccount.keys.create()` method and `serviceAccount.keys.delete()` method together to

deleting the old key. See the `ServiceAccountKeyGenerator` method and `ServiceAccountKeyGenerator` method together to automate the rotation.

https://cloud.google.com/iam/docs/creating-managing-service-account-keys#deleting_service_account_keys

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🗄️ 👤 **aliounegdiop** Most Recent 1 year, 4 months ago

B is correct. for C creating a new key and deleting the old one from the Service Account, is not recommended. Deleting the old key without replacing it could prevent your application from authenticating and accessing resources.

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🗄️ 👤 **aliounegdiop** 1 year, 4 months ago

my bad it should D. having a backup key in cae of problem with the new key

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🗄️ 👤 **eeghai7thioyaiR4** 9 months ago

If you keep the old key active, then your rotate is worthless (because anyone could still use the old key)

C is the solution: rotate and destroy the previous key

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🗄️ 👤 **megalucio** 1 year, 7 months ago

Selected Answer: C

C it is the ans

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The correct answer is C. Create a new key, and use the new key in the application. Delete the old key from the Service Account.

Google recommends that you rotate user-managed service account keys every 90 days or less. This helps to reduce the risk of unauthorized access to your resources if the key is compromised.

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🗄️ 👤 **gcpengineer** 1 year, 8 months ago

Selected Answer: C

C is the ans

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<https://cloud.google.com/iam/docs/best-practices-for-managing-service-account-keys#rotate-keys>

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Selected Answer: D

The recommended practice to rotate a user-managed Service Account key in GCP is to create a new key and use it in the application while keeping the old key for a specified period as a backup key. This helps to ensure that the application's service account always has a valid key and that there is no service disruption during the key rotation process. Therefore, the correct answer is option D.

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🗄️ 👤 **GCP72** 2 years, 5 months ago

Selected Answer: C

The correct answer is C

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🗄️ 👤 **absipat** 2 years, 7 months ago

c of course

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🗄️ 👤 **DebasishLowes** 3 years, 10 months ago

Ans : C

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🗄️ 👤 **ArizonaClassics** 4 years, 5 months ago

C is the right choice for me

👍 ↩ 🚩 upvoted 4 times

🗄️ 👤 **aiwaai** 4 years, 5 months ago

Correct Answer: C



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