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EXAM ASSOCIATE CLOUD ENGINEER TOPIC 1 QUESTION 165 DISCUSSION

Actual exam question from Google's Associate Cloud Engineer

Question #: 165

Topic #: 1

[All Associate Cloud Engineer Questions]

You are running a data warehouse on BigQuery. A partner company is offering a recommendation engine based on the data in your data warehouse. The partner company is also running their application on Google Cloud. They manage the resources in their own project, but they need access to the BigQuery dataset in your project. You want to provide the partner company with access to the dataset. What should you do?

A. Create a Service Account in your own project, and grant this Service Account access to BigQuery in your project.

B. Create a Service Account in your own project, and ask the partner to grant this Service Account access to BigQuery in their project.

C. Ask the partner to create a Service Account in their project, and have them give the Service Account access to BigQuery in their project.

D. Ask the partner to create a Service Account in their project, and grant their Service Account access to the BigQuery dataset in your project.

Show Suggested Answer

by ?nshtrnt at *March 12, 2021, 7:15 p.m.*

Comments

GCP_Student1 `Highly Voted` 3 years, 7 months ago

D. Ask the partner to create a Service Account in their project, and grant their Service Account access to the BigQuery dataset in your project.

upvoted 36 times

pondai `Highly Voted` 3 years, 7 months ago

BigQuery is in our project,so we need to create a service account and grant it access BigQuery role.That can make partner company to use this account to use it to access our project's BigQuery.So I vote A.

upvoted 14 times

akshaychavan7 2 years, 5 months ago

Your understanding is bit wrong here, my friend!

upvoted 3 times

tavva_prudhvi 3 years, 6 months ago

See, the ones who want our access needs to create a service account(in our case it's the partner company), then we give access to the service account with the user permissions. Clearly, D says the same thing!

upvoted 11 times

PiperMe `Most Recent` 7 months, 3 weeks ago

`Selected Answer: D`

D is the best answer:
- By having the partner create a Service Account and you granting access to it, you maintain ownership and control over your BigQuery data.
- You can specifically grant the partner's Service Account the necessary BigQuery permissions (e.g., "BigQuery Data Viewer"), avoiding overly broad access.
- Each company manages Service Accounts within their own projects, maintaining a separation of concerns.

Why Others Aren't as Ideal:
A & B: Creating a Service Account in your project and sharing it with the partner (or vice versa) introduces potential management complexities and blurs the lines of responsibility for that Service Account.
C: Giving the partner company full control to grant their own service accounts access to your dataset could open up broader access than intended.

upvoted 3 times

scanner2 1 year, 1 month ago

`Selected Answer: D`

Cross project access. Application in Project A want to access a service in project B.
1. Create a service account in project A.
2. Give the required permission to access the services in project B.

upvoted 4 times

N_A 1 year, 5 months ago

`Selected Answer: D`

A. Useless if the private key of the Service Account is not shared with the partner (this would not be a good practice in terms of security)
B. Not possible.
C. Useless as the won't have access to the data in our data warehouse on BigQuery.
D. Is the correct answer and follow best practices.

upvoted 1 times

hiromi 1 year, 11 months ago

`Selected Answer: D`

Should be D

upvoted 2 times

Aninina 1 year, 11 months ago

`Selected Answer: D`

"Service accounts are both identities and resources. Because service accounts are identities, you can let a service account access resources in your project by granting it a role, just like you would for any other principal."

upvoted 1 times

Cornholio_LMC 2 years ago

had this one today

? ? ? upvoted 2 times

? ? AzureDP900 2 years, 4 months ago

D is right

? ? ? upvoted 1 times

? ? somenick 2 years, 7 months ago

https://gtseres.medium.com/using-service-accounts-across-projects-in-gcp-cf9473fef8f0#:~:text=Go%20to%20the%20destination%20project,Voila!

? ? ? upvoted 2 times

? ? mk1708 2 years, 7 months ago

I thought it was A. But when I quickly did some research I found this:
"Service accounts are both identities and resources. Because service accounts are identities, you can let a service account access resources in your project by granting it a role, just like you would for any other principal."
Thus, the answer is D.

? ? ? upvoted 4 times

? ? wh1t4k3r 2 years, 10 months ago

D per my understanding: if the need is to authenticate the application to access your dataset, it's the application's serice account that will be provided during the authentication, so the service account is to be created at their side to run the application, not the other way around.

? ? ? upvoted 4 times

? ? wh1t4k3r 2 years, 10 months ago

Another insight:
A is to broad. The question states: "provide the partner company with access to the dataset"
A states: "grant this Service Account access to BigQuery in your project"
I think D is a more granular option, given that A would give access to all datasets in your bigquery data warehousing.

? ? ? upvoted 2 times

? ? jabrrJ68w02ond1 2 years, 11 months ago

How is it D? I want to give access to my BigQuery data, so I need to provide the ServiceAccount. I create it, put some decent predefined roles on it, and whenever I stop working with the other company, I either invalidate the JSON key of the SA or I simply delete the SA. For me, it is A.

? ? ? upvoted 4 times

? ? JelloMan 2 years, 6 months ago

Righ but how will the other project ever gain access to resources on YOUR project? Key thing here is that your sharing ACROSS different projects so you need a bridge between them. D provides that bridge by connecting THEIR service account with YOUR resource (big query)

? ? ? upvoted 2 times

? ? AD_0525 3 years, 4 months ago

Answer should be D, as the other company project needs access in your project.

? ? ? upvoted 6 times

? ? EmreA 3 years, 5 months ago

It|s A

? ? ? upvoted 4 times

? ? kopper2019 3 years, 6 months ago

D is the answer

? ? ? upvoted 6 times

? ? TAvenger 3 years, 7 months ago

I think it is "D" but I have not found such usecase when you share dataset with another organization via service account

? ? ? upvoted 3 times

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