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EXAM ASSOCIATE CLOUD ENGINEER TOPIC 1 QUESTION 178 DISCUSSION

Actual exam question from Google's Associate Cloud Engineer

Question #: 178

Topic #: 1

[All Associate Cloud Engineer Questions]

You are managing a project for the Business Intelligence (BI) department in your company. A data pipeline ingests data into BigQuery via streaming. You want the users in the BI department to be able to run the custom SQL queries against the latest data in BigQuery. What should you do?

A. Create a Data Studio dashboard that uses the related BigQuery tables as a source and give the BI team view access to the Data Studio dashboard.

B. Create a Service Account for the BI team and distribute a new private key to each member of the BI team.

C. Use Cloud Scheduler to schedule a batch Dataflow job to copy the data from BigQuery to the BI team's internal data warehouse.

D. Assign the IAM role of BigQuery User to a Google Group that contains the members of the BI team.

Show Suggested Answer

by Biju1 at *April 30, 2021, 3:23 p.m.*
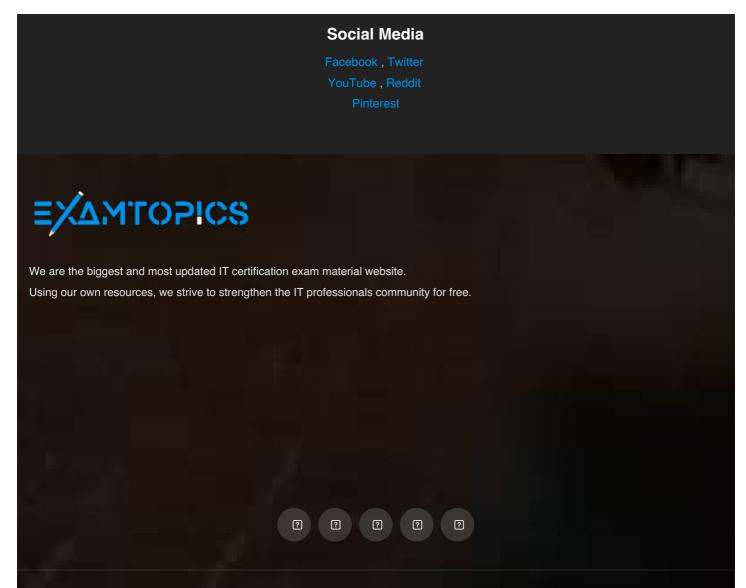
Comments

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ApaMokus `Highly Voted` 3 years, 5 months ago

D is correct
roles/bigquery.user
When applied to a dataset, this role provides the ability to read the dataset's metadata and list tables in the dataset.
When applied to a project, this role also provides the ability to run jobs, including queries, within the project. A member with this role can enumerate their own jobs, cancel their own jobs, and enumerate datasets within a project. Additionally, allows the creation of new datasets within the project; the creator is granted the BigQuery Data Owner role (roles/bigquery.dataOwner) on these new datasets.

upvoted 31 times

blan_ak `Highly Voted` 3 years, 2 months ago

Why on the earth would the answer be C? It has no relevance to the question. The answer is D, hands down

upvoted 9 times

Captain1212 `Most Recent` 1 year, 1 month ago

Selected Answer: D

D is the right answer, just assign them the role by IAM and they will be able to use BQ

upvoted 3 times

ankyt9 1 year, 10 months ago

Selected Answer: D

D is correct

upvoted 1 times

anolive 1 year, 11 months ago

Selected Answer: D

makes mor sense

upvoted 1 times

sylva91 2 years, 1 month ago

Selected Answer: D

D is correct because google recommendations are always to privilege groups to individual accounts and this is what can make the users query the database unlike the Data Studio

upvoted 2 times

snkhatri 2 years, 1 month ago

Selected Answer: D

D is right

upvoted 1 times

snkhatri 2 years, 1 month ago

D is correct

upvoted 1 times

patashish 2 years, 3 months ago

D is the answer

Hint - to **run the custom SQL queries*** against the latest data in BigQuery

upvoted 2 times

TaniaMalfoy 2 years, 3 months ago

C is correct, data pipeline is the key:

https://cloud.google.com/dataflow/docs/guides/data-pipelines#create_a_batch_data_pipeline

To create this sample batch data pipeline, you must have access to the following resources in your project:

A Cloud Storage bucket to store input and output files
A BigQuery dataset where you will create a table.

upvoted 1 times

S00999 2 years, 4 months ago

Selected Answer: D

Answer: D
The simplest.
It is not requested to automate the query. The BI team may also need to modify their query or have several different ones to meet the needs.

upvoted 2 times

AzureDP900 2 years, 4 months ago

D is correct

https://cloud.google.com/bigquery/docs/access-control

upvoted 1 times

Raz0r 2 years, 9 months ago

Selected Answer: D

D sounds perfect with minimal steps.
Quote from the GCP docs: "BigQuery User
(roles/bigquery.user)

When applied to a dataset, this role provides the ability to read the dataset's metadata and list tables in the dataset.

When applied to a project, this role also provides the ability to run jobs, including queries, within the project. A principal with this role can enumerate their own jobs, cancel their own jobs, and enumerate datasets within a project. Additionally, allows the creation of new datasets within the project; the creator is granted the BigQuery Data Owner role (roles/bigquery.dataOwner) on these new datasets."

upvoted 1 times

dishum 2 years, 9 months ago

Answer is C
Option C says, there is a probability of an internal BI datawarehouse. Before providing the iam permissions, it is better to copy data to internal BI.
My view

upvoted 1 times

arvsrv 2 years, 9 months ago

Selected Answer: D

agree With D

upvoted 2 times

gioresin1 2 years, 9 months ago

maybe D is not sufficient because, as per documentation:
"Note: For a user to be able to query the tables in a dataset, it is not sufficient for the user to have access to the dataset. A user must also have permission to run a query job in a project. If you want to give a user permission to run a query from your project, give the user the bigquery.jobs.create permission for the project. You can do this by assigning the user the roles/bigquery.jobUser role for your project. For more information, see Access control examples".

upvoted 1 times

alaahakim 2 years, 11 months ago

I agree With D

upvoted 2 times

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