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📄 **EXAM PROFESSIONAL DATA ENGINEER TOPIC 1 QUESTION 240 DISCUSSION**

Actual exam question from Google's Professional Data Engineer

Question #: 240

Topic #: 1

[All Professional Data Engineer Questions]

You are designing a data mesh on Google Cloud by using Dataplex to manage data in BigQuery and Cloud Storage. You want to simplify data asset permissions. You are creating a customer virtual lake with two user groups:

• Data engineers, which require full data lake access
• Analytic users, which require access to curated data

You need to assign access rights to these two groups. What should you do?

A. 1. Grant the dataplex.dataOwner role to the data engineer group on the customer data lake.
2. Grant the dataplex.dataReader role to the analytic user group on the customer curated zone.

B. 1. Grant the dataplex.dataReader role to the data engineer group on the customer data lake.
2. Grant the dataplex.dataOwner to the analytic user group on the customer curated zone.

C. 1. Grant the bigquery.dataOwner role on BigQuery datasets and the storage.objectCreator role on Cloud Storage buckets to data engineers.
2. Grant the bigquery.dataViewer role on BigQuery datasets and the storage.objectViewer role on Cloud Storage buckets to analytic users.

D. 1. Grant the bigquery.dataViewer role on BigQuery datasets and the storage.objectViewer role on Cloud Storage buckets to data engineers.
2. Grant the bigquery.dataOwner role on BigQuery datasets and the storage.objectEditor role on Cloud Storage buckets to analytic users.

Show Suggested Answer

by 👤 **scaenruy** at *Jan. 3, 2024, 2:05 p.m.*

Comments

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👤 **raaad** `Highly Voted 👍` 1 year, 4 months ago

`Selected Answer: A`

- dataplex.dataOwner: Grants full control over data assets, including reading, writing, managing, and granting access to others.
- dataplex.dataReader: Allows users to read data but not modify it.

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    👤 **AllenChen123** 1 year, 3 months ago

    Yes, https://cloud.google.com/dataplex/docs/lake-security#data-roles
    Dataplex maps its roles to the data roles for each underlying storage resource (Cloud Storage, BigQuery).
    ^ simplify the permissions.

    👍 ↩ 🚩 upvoted 4 times

👤 **josech** `Most Recent ⊘` 11 months, 3 weeks ago

`Selected Answer: C`

The quetion is for BigQuery AND Cloud Storage for a Data Lake, so you should assign IAM permissions for both of them. C is correct.

👍 ↩ 🚩 upvoted 1 times

    👤 **[Removed]** 9 months, 3 weeks ago

    Dataplex roles are mapped to roles for the underlying resources, like BQ and GCS. So A and C are functionally (almost) equivalent, but A is simpler (2 roles rather than 4). See https://cloud.google.com/dataplex/docs/lake-security#data-roles

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👤 **JyoGCP** 1 year, 2 months ago

`Selected Answer: A`

Option A

👍 ↩ 🚩 upvoted 1 times

👤 **qq589539483084gfrgrgfr** 1 year, 3 months ago

`Selected Answer: A`

A correct answer

👍 ↩ 🚩 upvoted 3 times

👤 **Matt_108** 1 year, 3 months ago

`Selected Answer: A`

Option A clearly correct

👍 ↩ 🚩 upvoted 2 times

👤 **scaenruy** 1 year, 4 months ago

`Selected Answer: A`

A.
1. Grant the dataplex.dataOwner role to the data engineer group on the customer data lake.
2. Grant the dataplex.dataReader role to the analytic user group on the customer curated zone.

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