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📄 **EXAM PROFESSIONAL DATA ENGINEER TOPIC 1 QUESTION 247 DISCUSSION**

Actual exam question from Google's Professional Data Engineer
Question #: 247
Topic #: 1
[All Professional Data Engineer Questions]

Your company operates in three domains: airlines, hotels, and ride-hailing services. Each domain has two teams: analytics and data science, which create data assets in BigQuery with the help of a central data platform team. However, as each domain is evolving rapidly, the central data platform team is becoming a bottleneck. This is causing delays in deriving insights from data, and resulting in stale data when pipelines are not kept up to date. You need to design a data mesh architecture by using Dataplex to eliminate the bottleneck. What should you do?

A. 1. Create one lake for each team. Inside each lake, create one zone for each domain.
2. Attach each of the BigQuery datasets created by the individual teams as assets to the respective zone.
3. Have the central data platform team manage all zones' data assets.

B. 1. Create one lake for each team. Inside each lake, create one zone for each domain.
2. Attach each of the BigQuery datasets created by the individual teams as assets to the respective zone.
3. Direct each domain to manage their own zone's data assets.

C. 1. Create one lake for each domain. Inside each lake, create one zone for each team.
2. Attach each of the BigQuery datasets created by the individual teams as assets to the respective zone.
3. Direct each domain to manage their own lake's data assets.

D. 1. Create one lake for each domain. Inside each lake, create one zone for each team.
2. Attach each of the BigQuery datasets created by the individual teams as assets to the respective zone.
3. Have the central data platform team manage all lakes' data assets.

Show Suggested Answer

by 🐦 **scaenruy** at *Jan. 3, 2024, 2:29 p.m.*

Comments

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⊟ 👤 **raaad** 🔵**Highly Voted** 👍 10 months ago

🟨 **Selected Answer: C**

- each domain should manage their own lake's data assets

👍 ↩ 🏳 upvoted 7 times

⊟ 👤 **AllenChen123** 9 months, 3 weeks ago

Agree. https://cloud.google.com/dataplex/docs/introduction#a_domain-centric_data_mesh

👍 ↩ 🏳 upvoted 4 times

⊟ 👤 **hanoverquay** 🔵**Most Recent** ⊙ 7 months, 2 weeks ago

🟨 **Selected Answer: C**

vote C

👍 ↩ 🏳 upvoted 1 times

⊟ 👤 **JyoGCP** 8 months, 2 weeks ago

🟨 **Selected Answer: C**

Option C

👍 ↩ 🏳 upvoted 1 times

⊟ 👤 **Matt_108** 9 months, 3 weeks ago

🟨 **Selected Answer: C**

Option C - create a lake for each domain, each team manages its own assets

👍 ↩ 🏳 upvoted 4 times

⊟ 👤 **task_7** 9 months, 4 weeks ago

🟨 **Selected Answer: B**

Separate lakes for each team
Zones within each lake dedicated to different domains

👍 ↩ 🏳 upvoted 2 times

⊟ 👤 **scaenruy** 10 months ago

🟨 **Selected Answer: C**

C.
1. Create one lake for each domain. Inside each lake, create one zone for each team.
2. Attach each of the BigQuery datasets created by the individual teams as assets to the respective zone.
3. Direct each domain to manage their own lake's data assets.

👍 ↩ 🏳 upvoted 1 times