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EXAM ASSOCIATE CLOUD ENGINEER TOPIC 1 QUESTION 58 DISCUSSION

Actual exam question from Google's Associate Cloud Engineer

Question #: 58

Topic #: 1

[All Associate Cloud Engineer Questions]

You are building an application that stores relational data from users. Users across the globe will use this application. Your CTO is concerned about the scaling requirements because the size of the user base is unknown. You need to implement a database solution that can scale with your user growth with minimum configuration changes. Which storage solution should you use?

- A. Cloud SQL
- B. Cloud Spanner
- C. Cloud Firestore
- D. Cloud Datastore

Show Suggested Answer

by   karol_wu at *March 17, 2020, 5:04 p.m.*

Comments

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Fidget_ `Highly Voted` 4 years, 2 months ago

B
Cloud SQL for small relational data, scaled manually
Cloud Spanner for relational data, scaled automatically
Cloud Firestore for app-based data(?)
Cloud Datastore for non-relational data
Correct me if i'm wrong

upvoted 110 times

    theBestStudent 2 years, 4 months ago

    Just one detail: Cloud Firestore for non relational data (noSql)

upvoted 16 times

        Backlander 1 year, 4 months ago

        N E R D

upvoted 8 times

    KC_go_reply 1 year, 6 months ago

    'small relational data' as in 3 TB for Shared core or 64 TB for Dedicated core in Cloud SQL

upvoted 1 times

karol_wu `Highly Voted` 4 years, 7 months ago

in my opinion correct is B

upvoted 29 times

Mohammed52 `Most Recent` 4 months ago

`Selected Answer: B`

Cloud spanner is correct as it will scaled automatically

upvoted 1 times

    Murli1 10 months, 4 weeks ago

B is Correct Ans. Cloud Spanner provides a scalable online transaction processing (OLTP) database with high availability
and strong consistency at a global scale.

upvoted 2 times

    Captain1212 1 year, 1 month ago

`Selected Answer: B`

B, for large and automatically scaled

upvoted 1 times

    keton 1 year, 5 months ago

Correct ans is B... Focus on two words "Relational" which means option C & D has been eliminated bcz these are non-
relational DB.And another word 'Globally' which means Option A also eliminated bcz Cloud Sql does not support global
deployments.

upvoted 3 times

    Buruguduystunstugudunstuy 1 year, 8 months ago

`Selected Answer: B`

The best storage solution for this scenario would be Cloud Spanner. Cloud Spanner is a fully managed, scalable, relational
database that is designed to handle global deployments with ease. It can handle large amounts of data and high
transactional volumes. It also provides automatic sharding and synchronous replication, ensuring high availability and
durability of data. Cloud Spanner supports SQL semantics and provides a familiar relational database experience to
developers, which would make it easy to adopt in existing workflows.

Cloud SQL, on the other hand, has limits on scalability and does not support global deployments as well as Cloud Spanner.

Cloud Firestore and Cloud Datastore are NoSQL databases that are better suited for document-based data storage and not
optimized for relational data storage.

upvoted 9 times

    cslince 1 year, 10 months ago

`Selected Answer: B`

correct is B

upvoted 1 times

    Tmitchelltec919 1 year, 11 months ago

could someone please explain why the answer is not A

upvoted 1 times

leogor 1 year, 11 months ago

Selected Answer: B

B. Spanner for autoscale

upvoted 1 times

learn_GCP 2 years, 1 month ago

Selected Answer: B

B.

keywords: "global" and "relational"

upvoted 2 times

gcp_world123 2 years, 2 months ago

Correct answer is B

Cloud Firestore and Cloud Datastore - can easily be eliminated doesn't fall under Relational DB

upvoted 1 times

abirroy 2 years, 2 months ago

Selected Answer: B

B is correct

[?] [?] [?] upvoted 1 times

[?] [?] **theBestStudent** 2 years, 3 months ago

B as many have mentioned already

[?] [?] [?] upvoted 1 times

[?] [?] **AzureDP900** 2 years, 4 months ago

Global is keyword in this question, Cloud Spanner is the right option.. B

[?] [?] [?] upvoted 5 times

[?] [?] **haroldbenites** 2 years, 4 months ago

Go for B

[?] [?] [?] upvoted 1 times

[?] [?] **TheScalator** 2 years, 8 months ago

Selected Answer: B

B is correct

[?] [?] [?] upvoted 2 times

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