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EXAM ASSOCIATE CLOUD ENGINEER TOPIC 1 QUESTION 171 DISCUSSION

Actual exam question from Google's Associate Cloud Engineer

Question #: 171

Topic #: 1

[All Associate Cloud Engineer Questions]

You are working with a Cloud SQL MySQL database at your company. You need to retain a month-end copy of the database for three years for audit purposes.
What should you do?

A. Set up an export job for the first of the month. Write the export file to an Archive class Cloud Storage bucket.

B. Save the automatic first-of-the-month backup for three years. Store the backup file in an Archive class Cloud Storage bucket.

C. Set up an on-demand backup for the first of the month. Write the backup to an Archive class Cloud Storage bucket.

D. Convert the automatic first-of-the-month backup to an export file. Write the export file to a Coldline class Cloud Storage bucket.

Show Suggested Answer

by victory108 *at March 13, 2021, 11:44 a.m.*

Comments

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TAvenger `Highly Voted` 3 years, 7 months ago

https://cloud.google.com/sql/docs/mysql/backup-recovery/backups
not B: Automatic backups are made EVERY SINGLE DAY. You can set only the number of backups up to 365. Also you cannot choose your Archival storage as destination
not C: You cannot setup "on-demand" backup. User would have to make backups manually every month. Also you cannot choose your Archival storage as destination
not D: You cannot conver backup to export file. Also Coldline class is less cost-effective than Archival class.

The only option left is "A"
You can set up your job with any date/time schedule. You can export file to any storage with any storage class.

upvoted 53 times

djgodzilla 3 years, 4 months ago

from the same link :
Can I export a backup?
No, you can't export a backup. You can only export instance data. See Exporting data from Cloud SQL to a dump in Cloud storage.

upvoted 6 times

JieHeng `Highly Voted` 3 years, 3 months ago

First need to understand backup vs export, two different concepts. - https://cloud.google.com/sql/docs/mysql/backup-recovery/backups

A – yes, you can export data from Cloud SQL to Cloud Storage- https://cloud.google.com/sql/docs/mysql/import-export/exporting#cloud-sql

Not B, C, D – be it automatic or on-demand backup, according to the doc "No, you can't export a backup. You can only export instance data."

upvoted 16 times

omunoz `Most Recent` 5 months, 3 weeks ago

Should be A:
Backups are managed by Cloud SQL according to retention policies, and are stored separately from the Cloud SQL instance. Cloud SQL backups differ from an export uploaded to Cloud Storage, where you manage the lifecycle. Backups encompass the entire database. Exports can select specific contents.

https://cloud.google.com/sql/docs/mysql/backup-recovery/backups#:~:text=for%20more%20information.-,Backups%20versus%20exports,-Backups%20are%20managed

upvoted 1 times

santhush 1 year, 1 month ago

https://www.exam-answer.com/retain-month-end-copy-cloud-sql-mysql-database-three-years B is the correct answer.. I am not sure why people are posting wrong answers here.

upvoted 1 times

Abbru00 12 months ago

cause you're the one wrong:
https://cloud.google.com/sql/docs/mysql/backup-recovery/backups#can_i_export_a_backup

upvoted 1 times

Captain1212 1 year, 1 month ago

Selected Answer: A

A is the correct answer, as in a you can export as per your requirement and then moved it to archive class , but in b,c,d you can't do that

upvoted 1 times

akkinepallyn 1 year, 5 months ago

Option B is the best choice because it allows you to leverage the automatic first-of-the-month backup feature that is provided by Cloud SQL. Cloud SQL provides automated backups that can be configured to run at specific times, including the first of the month. By retaining the first-of-the-month backup for three years, you can be sure that you have a complete copy of the database for that month.

upvoted 1 times

Vismaya 1 year, 7 months ago

Answer A

upvoted 1 times

researched_answer_boi 1 year, 9 months ago

Answer A is the correct one according to "https://cloud.google.com/blog/topics/developers-practitioners/scheduling-cloud-sql-exports-using-cloud-functions-and-cloud-scheduler" and "https://cloud.google.com/sql/docs/mysql/backup-recovery/backups#backups_versus_exports".

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

[?] [?] **Kopy** 1 year, 11 months ago

Selected Answer: A

So Answer is A.
You can't export back up. Very clear.
https://cloud.google.com/sql/docs/mysql/backup-recovery/backups#can_i_export_a_backup

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

[?] [?] **Charumathi** 2 years ago

Selected Answer: A

A is correct answer,
Export the SQL month end data as a CSV file to cloud storage bucket, and move the data to Archival Storages for 3 years for audit purpose.

https://cloud.google.com/sql/docs/mysql/import-export?authuser=1

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

[?] [?] **learn_GCP** 2 years ago

Selected Answer: A

A. Although Cloud SQL doesn't provide a built-in way to automate database exports, you can build your own automation tool using several Google Cloud components.
https://cloud.google.com/sql/docs/mysql/import-export#automating_export_operations

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

[?] [?] **Cornholio_LMC** 2 years ago

had this question today

[?] [?] [?] upvoted 4 times

[?] [?] **butki** 2 years, 1 month ago

B is correct

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

[?] [?] **snkhatri** 2 years, 1 month ago

A seems right to me key word: "month-end copy"

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

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

Correct Ans - C
On demand backup

You can create a backup at any time (Here we need backup a month-end copy of the database for three years). You can create on-demand backups for any instance, whether the instance has automatic backups enabled or not.

Reason :
1) you can't export a backup. You can only export instance data so export option A is out from answer.
Backups encompass the entire database. Exports can select specific contents.
As per question You need to retain a month-end copy of the database not specific contents.

2) Automated backups are taken daily, within a 4-hour backup window. Up to seven most recent backups are retained, by default.
*Cost** to store all backups ..

3) Option D not applicable **Coldline class** *Cost*

[?] [?] [?] upvoted 4 times

[?] [?] **mk1471** 2 years, 8 months ago

why not D? it is the only one that doesnt store it as Archive class, and since it is for Audit purposes this cant be used as Archive allows LESS than one access per year.

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

[?] [?] **look1** 2 years, 10 months ago

Selected Answer: A

I would go with export not backup. Question stated that this is copy. In addition restore of three years old backup might be not possible in newer version. In addition you can retain max 365 backups.

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