EXAM ASSOCIATE CLOUD ENGINEER TOPIC 1 QUESTION 144 DISCUSSION

Actual exam question from Google's Associate Cloud Engineer
Question #: 144
Topic #: 1
[All Associate Cloud Engineer Questions]

You have a Compute Engine instance hosting an application used between 9 AM and 6 PM on weekdays. You want to back up this instance daily for disaster recovery purposes. You want to keep the backups for 30 days. You want the Google-recommended solution with the least management overhead and the least number of services. What should you do?

A. 1. Update your instances' metadata to add the following value: snapshotλ€"schedule: 0 1 * * * 2. Update your instances' metadata to add the following value: snapshotλ€"retention: 30

B. 1. In the Cloud Console, go to the Compute Engine Disks page and select your instance's disk. 2. In the Snapshot Schedule section, select Create Schedule and configure the following parameters: - Schedule frequency: Daily - Start time: 1:00 AM 2:00 "€λ AM - Autodelete snapshots after: 30 days

C. 1. Create a Cloud Function that creates a snapshot of your instance's disk. 2. Create a Cloud Function that deletes snapshots that are older than 30 days. 3. Use Cloud Scheduler to trigger both Cloud Functions daily at 1:00 AM.

D. 1. Create a bash script in the instance that copies the content of the disk to Cloud Storage. 2. Create a bash script in the instance that deletes data older than 30 days in the backup Cloud Storage bucket. 3. Configure the instance's crontab to execute these scripts daily at 1:00 AM.

Show Suggested Answer

by SSPC at *Aug. 13, 2020, 2:21 p.m.*

Comments

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ESP_SAP **Highly Voted** 4 years, 2 months ago

Correct Answer is (B):

Creating scheduled snapshots for persistent disk
This document describes how to create a snapshot schedule to regularly and automatically back up your zonal and regional persistent disks. Use snapshot schedules as a best practice to back up your Compute Engine workloads. After creating a snapshot schedule, you can apply it to one or more persistent disks.

https://cloud.google.com/compute/docs/disks/scheduled-snapshots

upvoted 43 times

[Removed] 4 years, 1 month ago

Definitely B.

With something like this, you should not have to write any custom scripts, custom functions, or cron jobs. This is google's way of saying 'hey, we've already built that stuff in to our snapshot schedules feature.

upvoted 10 times

Ridhanya **Highly Voted** 2 years, 10 months ago

it is b. we cannot define snapshot config in instance metadata.
VM instance metadata is used only for:
startup and shutdown scripts
host maintanence
guest attributes

upvoted 5 times

ccpmad **Most Recent** 4 months, 4 weeks ago

Now in 2024, use backup&DR for this. But in 2020 it was B

upvoted 1 times

Jonassamr 5 months, 1 week ago

Selected Answer: B

https://cloud.google.com/compute/docs/instances/schedule-instance-start-stop

upvoted 1 times

ccpmad 4 months, 4 weeks ago

No, it is not about schedule start-stop, is about snapshot schedule of the disks...
but yes, it is B.

upvoted 1 times

idk_4 9 months ago

Selected Answer: B

I think when we think about best practice, we should always think about being practical. The most practical method is usually the best practice with a few exceptions. In this scenario, Answers C and D require a lot of effort. Answer A seems not quite relevant. Answer B is the only correct option.

upvoted 1 times

Captain1212 1 year, 1 month ago

Selected Answer: B

B is the correct answer

upvoted 2 times

Rajat2309sharma 1 year, 8 months ago

Selected Answer: B

B is ans

upvoted 1 times

slcvlctetri 1 year, 9 months ago

Selected Answer: B

got this question 2 days ago. B is right.

upvoted 3 times

AzureDP900 2 years, 4 months ago

B is more appropriate

upvoted 1 times

nhadi82 2 years, 5 months ago

Selected Answer: B

Correct Answer B

upvoted 1 times

gcpengineer 3 years, 2 months ago

why not C?

upvoted 3 times

Gianfry 2 years, 10 months ago

The question calls for "Google-recommended solution with the least management overhead and the least number of services"

upvoted 3 times

arsh1916 3 years, 5 months ago

B is correct

upvoted 2 times

Hi2ALL 3 years, 7 months ago

B is more realistic approach

upvoted 3 times

GCP_user 3 years, 7 months ago

B is the best option so far. However just wonder this: Schedule frequency: Daily " Start time: 1:00 AM " 2:00 AM" Autodelete snapshots: after 30 days; For Saturday and Sunday it will be a waste of resource to create snapshots since the instance is running during weekdays.

upvoted 2 times

GCP_Student1 3 years, 7 months ago

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upvoted 2 times

DucSiu 3 years, 8 months ago

It's B

upvoted 1 times

Bhagirathi 3 years, 11 months ago

B for sure, any doubt?

upvoted 1 times

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