



- Expert Verified, Online, Free.

MENU

Google Discussions



## Exam Associate Cloud Engineer All Questions

View all questions & answers for the Associate Cloud Engineer exam

Go to Exam

### EXAM ASSOCIATE CLOUD ENGINEER TOPIC 1 QUESTION 168 DISCUSSION

Actual exam question from Google's Associate Cloud Engineer

Question #: 168

Topic #: 1

[\[All Associate Cloud Engineer Questions\]](#)

You are working for a hospital that stores its medical images in an on-premises data room. The hospital wants to use Cloud Storage for archival storage of these images. The hospital wants an automated process to upload any new medical images to Cloud Storage. You need to design and implement a solution. What should you do?

- A. Create a Pub/Sub topic, and enable a Cloud Storage trigger for the Pub/Sub topic. Create an application that sends all medical images to the Pub/Sub topic.
- B. Deploy a Dataflow job from the batch template, `gsutil` to Cloud Storage. Schedule the batch job on the desired interval.
- C. Create a script that uses the `gsutil` command line interface to synchronize the on-premises storage with Cloud Storage. Schedule the script as a cron job.
- D. In the Cloud Console, go to Cloud Storage. Upload the relevant images to the appropriate bucket.

Show Suggested Answer

by [raman23125](#) at March 14, 2021, 6:54 a.m.

### Comments

Type your comment...

[Submit](#)

  **TAvenger** Highly Voted  3 years, 7 months ago

From the question the key point is "upload ANY NEW medical images to Cloud Storage". So we are not interested in old images. That's why we need some trigger that will upload images. I think option "A" with PubSub is the best

   upvoted 26 times

  **dunhill** 3 years, 7 months ago

I am not sure but the question also mentions that "wants to use Cloud Storage for archival storage of these images". It can create an application that sends all medical images to storage and no need via PubSub?

   upvoted 1 times



  **pca2b** 3 years, 6 months ago

Pub/Sub will be good for all future files in in-prem data-storage.

we want to sync all + new, so a local on-prem server running a cron job (not GCE CronJob) to run gsutil to transfer files to Cloud Storage would work.

I vote for C

   upvoted 5 times

  **yvinisiupacuando** 3 years, 5 months ago



Sorry you are wrong, the question clearly indicates "The hospital wants an automated process to upload ANY NEW medical images to Cloud Storage." It does not mention the need to upload the original stock of images, only the new ones. Then I think the right answer must be A, as you said "Pub/sub will be good for all future files in prem data-storage" which is exactly what the questions is pointing to.

   upvoted 6 times

  **gcpengineer** 3 years, 2 months ago




ans is C

   upvoted 3 times

  **Priyanka109** 2 years ago

In option C we are using a cron job, not dragging and dropping the images.

   upvoted 1 times

  **GCP\_Student1** Highly Voted  3 years, 7 months ago

C. Create a script that uses the gsutil command line interface to synchronize the on-premises storage with Cloud Storage. Schedule the script as a cron job.

   upvoted 22 times

  **cserra** 2 years, 2 months ago

Where does it say that the on-premises images are already digitized? and even if they are, where does it say that we also keep the old images?

I think the correct answer is "A"

   upvoted 1 times


  **theBestStudent** 2 years, 1 month ago

Tell yo yourself how the images would end up in the pubsub first of all. Also usually the process is in the other way around for pubsub notifications: Once an object lands in GCS the pubsub is notified of it.

Option A makes totally nonsense. Check the flow again.

From the options the only one that "makes more sense" is Option C

   upvoted 6 times

  **Cynthia2023** Most Recent  9 months, 3 weeks ago

**Selected Answer: C**

A. Pub/Sub Topic with Cloud Storage Trigger: While Cloud Pub/Sub is great for event-driven architectures, it's not directly applicable for file synchronization scenarios. It would also require substantial modification to the existing infrastructure to send images to Pub/Sub.

B. Dataflow Job: Dataflow is a powerful service for stream and batch data processing, but using it solely for file synchronization is overkill. It also requires more setup and maintenance compared to a simple gsutil script.

D. Manual Upload in Cloud Console: This is not feasible for an automated process, as it requires manual intervention and isn't practical for a large number of files.

   upvoted 7 times

jkim1708 1 year, 1 month ago

Selected Answer: A

I am also for A. Any new data should be send to Cloud Storage. Yes you need to create an application. To send data to pubsub. But for possible migration to cloud you can use the existing setup

upvoted 1 times

Captain1212 1 year, 1 month ago

Selected Answer: C

C is the right answer as they want the automated process to upload any new medical image

upvoted 2 times

respawn 1 year, 1 month ago

Selected Answer: C

C is correct.

A will not work because pub/sub is meant for service to service communication only:

[https://cloud.google.com/pubsub/docs/overview#compare\\_service-to-service\\_and\\_service-to-client\\_communication](https://cloud.google.com/pubsub/docs/overview#compare_service-to-service_and_service-to-client_communication)

Yes C option will sync any new images from onprem to cloud.

upvoted 2 times

shreykul 1 year, 3 months ago

Selected Answer: A

New images can use Pub/Sub

upvoted 1 times

Charumathi 2 years ago

Selected Answer: C

C is the correct answer.

Keyword, they require cloud storage for archival and the want to automate the process to upload new medical image to cloud storage, hence we go for gsutil to copy on-prem images to cloud storage and automate the process via cron job. whereas Pub/Sub listens to the changes in the Cloud Storage bucket and triggers the pub/sub topic, which is not required.

upvoted 8 times

Naree 1 year, 3 months ago

I agree. The requirement is for both history images and future images. So I go with Option "C".

upvoted 2 times

zolthar\_z 2 years, 2 months ago

Selected Answer: C

The Hospital wants Cloud storage for archival of old images and also sync the new images, for this logic the answer is C

upvoted 3 times

AzureDP900 2 years, 4 months ago

C is correct

upvoted 1 times

jblima 2 years, 5 months ago

Selected Answer: C

C is correct.

upvoted 1 times

wael\_tn 2 years, 6 months ago

Selected Answer: C

Discarding (A) because "Cloud Storage trigger". So for option A the triggering event should be making a change in Cloud Storage, while in the real use case, the triggering should be adding a new medical image to the "on-premises data room"

upvoted 4 times

theBestStudent 2 years, 1 month ago

Correct, and on top of that, how are they suppose to connect the on premises to the cloud. Nothing is mentioned. But either way, option A does not make sense at all (as you already explained too). Correct option: C

upvoted 1 times

somenick 2 years, 7 months ago

Selected Answer: C



I would go with C

Not A, don't think you can send image files to Pub/Sub. Technically you can do so by converting image to some binary text, but then we don't know the size of the image and there is a limitation on message size. Not recommended.

Not B – there is only this template “Datastore to Cloud Storage Text”, as the name implies it is for text, <https://cloud.google.com/dataflow/docs/guides/templates/provided-batch#datastore-to-cloud-storage-text>, and it reads from datastore which is definitely not where the medical images are stored, from the question “... stores its medical images in an on-premises data room”.

Not D – it’s not automated

   upvoted 3 times

  lilapause 2 years, 8 months ago

**Selected Answer: C**

Pub/Sub could make sense if you ignore the size limit. But the way it is described with the storage trigger would just not be working.

   upvoted 1 times

  exam\_war 2 years, 9 months ago

A is correct. The key is automation whenever there is a new image, it needs to upload to cloud storage. Only pub/sub can make the automation work.

   upvoted 1 times

  [Removed] 2 years, 9 months ago

I think A(once the hospital receive the new images Cloud pub/sub will act on it) and C(creating a script with rsync command <https://stackoverflow.com/questions/37662416/how-to-sync-a-local-folder-with-a-folder-in-a-google-cloud-platform-bucket>) must be the Correct options

   upvoted 1 times

  RealEL40 2 years, 10 months ago

" any new medical images" so "A" using Pub\Sub

   upvoted 1 times

[Load full discussion...](#)

**Start Learning for free**



Social Media

[Facebook](#) , [Twitter](#)

[YouTube](#) , [Reddit](#)

[Pinterest](#)



We are the biggest and most updated IT certification exam material website.

Using our own resources, we strive to strengthen the IT professionals community for free.



© 2024 ExamTopics

ExamTopics doesn't offer Real Microsoft Exam Questions. ExamTopics doesn't offer Real Amazon Exam Questions. ExamTopics

Materials do not contain actual questions and answers from Cisco's Certification Exams.

CFA Institute does not endorse, promote or warrant the accuracy or quality of ExamTopics. CFA® and Chartered Financial Analyst® are registered trademarks owned by CFA Institute.