EXAM CLOUD DIGITAL LEADER TOPIC 1 QUESTION 53 DISCUSSION

Actual exam question from Google's Cloud Digital Leader
Question #: 53
Topic #: 1
[All Cloud Digital Leader Questions]

Your organization wants to migrate your on-premises environment to Google Cloud. The on-premises environment consists of containers and virtual machine instances. Which Google Cloud products can help to migrate the container images and the virtual machine disks?

A. Compute Engine and Filestore

B. Artifact Registry and Cloud Storage

C. Dataflow and BigQuery

D. Pub/Sub and Cloud Storage

Show Suggested Answer

by ahsangh at *Dec. 29, 2021, 6:19 p.m.*

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Daffy16 Highly Voted 2 years, 4 months ago

Selected Answer: B

B: Artifact Registry can manage container image migration and Cloud Storage can store virtual disk image

upvoted 20 times

S00999 Highly Voted 2 years, 2 months ago

Selected Answer: B

I'm voting for B, not A because Filestore is more user files oriented when Cloud Storage is the best choice for disk images. Artifact Registry (aka Container Registry) is THE storage service for container images.

upvoted 9 times

kalpesh_bohra Most Recent 2 months, 3 weeks ago

B. Artifact Registry and Cloud Storage

Here's why:

Artifact Registry: This service is designed to manage and store container images and other artifacts. You can use Artifact Registry to store and manage your container images, making it an ideal solution for migrating and managing your container workloads in Google Cloud.

Cloud Storage: This service is suitable for storing and transferring large amounts of data, including virtual machine disk images. You can use Cloud Storage to upload and store VM disk images before importing them into Google Cloud's Compute Engine.

upvoted 1 times

sivakarthick16 9 months, 1 week ago

Selected Answer: A

Compute Engine allows you to create and manage virtual machine instances, making it ideal for migrating virtual machine disks. Filestore, on the other hand, provides a managed file storage service that can be used to migrate container images.

Therefore, option A (Compute Engine and Filestore) is the correct choice for migrating both container images and virtual machine disks to Google Cloud.

upvoted 1 times

chai_gpt 11 months, 3 weeks ago

Selected Answer: B

B is correct

upvoted 1 times

__rajan__ 1 year ago

Selected Answer: B

Artifact Registry is a fully managed registry service for storing container images. Cloud Storage is a highly scalable object storage service. Together, they can be used to migrate container images from an on-premises environment to Google Cloud.

upvoted 2 times

mdsarfraz69 1 year, 1 month ago

Selected Answer: B

B is correct

upvoted 1 times

Lufly 1 year, 1 month ago

Selected Answer: B

Here are the reasons why the other options are not as good as Artifact Registry and Cloud Storage for migrating container images and virtual machine disks to Google Cloud:

Compute Engine and Filestore are both compute services that can be used to create and run virtual machines. However, they do not provide a good way to store and manage container images.
Dataflow and BigQuery are both data processing services. They can be used to process and analyze data, but they are not designed for storing and managing container images.
Pub/Sub and Cloud Storage are both messaging and storage services. They can be used to store and transmit data, but they are not designed for storing and managing container images.

upvoted 3 times

cookieMr 1 year, 4 months ago

Selected Answer: B

When migrating your containers and virtual machines to Google Cloud, you can utilize Artifact Registry and Cloud Storage to streamline the process and ensure a smooth transition.

Artifact Registry can be used to store your container images as "golden images." These are pre-configured and optimized container images that serve as a starting point for deploying your containers in Google Cloud. You can push your golden

images to Artifact Registry, where they will be securely stored and versioned. This allows you to easily manage and track different versions of your container images.

On the other hand, Cloud Storage can be used to store your virtual machine disk images, which can also be considered as "golden images." These disk images contain the operating system and pre-installed software configurations that you want to use for your virtual machine instances. By uploading these disk images to Cloud Storage, you can ensure their availability and accessibility during the migration process.

upvoted 4 times

skarths 1 year, 11 months ago

Selected Answer: B

B is the answer.
Migration of your container images includes the following steps:

Set up prerequisites.
Identify images to migrate.
Search your Dockerfile files and deployment manifests for references to third-party registries
Determine pull frequency of images from third-party registries using Cloud Logging and BigQuery.
Copy identified images to Artifact Registry.
Verify that permissions to the registry are correctly configured, particularly if Artifact Registry and your Google Cloud deployment environment are in different projects.
Update manifests for your deployments.
Re-deploy your workloads.

upvoted 2 times

Nitheeshsk 2 years ago

Selected Answer: B

https://cloud.google.com/compute/docs/import/importing-virtual-disks#bootable,
It says to import the virtual disks to cloudstorage. THen only it is migrated to compute engine

upvoted 3 times

Dan_W 2 years ago

Answer is A. Migrate for Compute Engine is how to migrate. B has to do with managing and storage, not migration.

upvoted 1 times

omgitsele 1 year, 6 months ago

Firestore has nothing to do with migration.

upvoted 1 times

KNACK 2 years ago

No mention of Migrate for Compute Engine in the options. And for container images, Artifact registry is used. So, correct answer is B.

upvoted 5 times

ergauravtaneja 2 years, 2 months ago

Selected Answer: B

refer to link https://cloud.google.com/compute/docs/import/import-existing-image and check the overiview section point no 4 which says "Upload the image file to Cloud Storage and import the image to Compute Engine as a new custom image."

upvoted 2 times

therealpumato 2 years, 3 months ago

Selected Answer: A

The point is that you want to run it in GCP after migrating, not only manage the resources...?

upvoted 1 times

sedado77 2 years, 5 months ago

Selected Answer: B

It's B: Artifact Registry can manage container image migration and Cloud Storage can store virtual disk image

upvoted 3 times

kyat 2 years, 6 months ago

B.migrate container image: container registry, migrate vm disk: cloud storage.

upvoted 2 times

ckintheocean 2 years, 7 months ago

Selected Answer: B

Its B because it's about the container images and the virtual machine disks

upvoted 1 times

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