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### QUESTION 1

You have an application on a general-purpose Compute Engine instance that is experiencing excessive disk read throttling on its Zonal SSD Persistent Disk. The application primarily reads large files from disk. The disk size is currently 350 GB. You want to provide the maximum amount of throughput while minimizing costs. What should you do?

- A. Increase the size of the disk to 1 TB.
- B. Increase the allocated CPU to the instance.
- C. Migrate to use a Local SSD on the instance.
- D. Migrate to use a Regional SSD on the instance.

Correct Answer: C

Reference: <https://cloud.google.com/compute/docs/disks/performance>

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### QUESTION 2

Your web application has been running successfully on Cloud Run for Anthos. You want to evaluate an updated version of the application with a specific percentage of your production users (canary deployment). What should you do?

- A. Create a new service with the new version of the application. Split traffic between this version and the version that is currently running.
- B. Create a new revision with the new version of the application. Split traffic between this version and the version that is currently running.
- C. Create a new service with the new version of the application. Add HTTP Load Balancer in front of both services.
- D. Create a new revision with the new version of the application. Add HTTP Load Balancer in front of both revisions.

Correct Answer: B

<https://cloud.google.com/kuberun/docs/rollouts-rollbacks-traffic-migration>

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### QUESTION 3

You want to deploy an application on Cloud Run that processes messages from a Cloud Pub/Sub topic. You want to follow Google-recommended practices. What should you do?

- A. 1. Create a Cloud Function that uses a Cloud Pub/Sub trigger on that topic.
- 2. Call your application on Cloud Run from the Cloud Function for every message.
- B. 1. Grant the Pub/Sub Subscriber role to the service account used by Cloud Run.
- 2.

Create a Cloud Pub/Sub subscription for that topic.



3.

Make your application pull messages from that subscription.

C. 1. Create a service account.

2.

Give the Cloud Run Invoker role to that service account for your Cloud Run application.

3.

Create a Cloud Pub/Sub subscription that uses that service account and uses your Cloud Run application as the push endpoint.

D. 1. Deploy your application on Cloud Run on GKE with the connectivity set to Internal.

2.

Create a Cloud Pub/Sub subscription for that topic.

3.

In the same Google Kubernetes Engine cluster as your application, deploy a container that takes the messages and sends them to your application.

Correct Answer: C

C. is the correct answer: Create a service account. 2. Give the Cloud Run Invoker role to that service account for your Cloud Run application. 3. Create a Cloud Pub/Sub subscription that uses that service account and uses your Cloud Run application as the push endpoint

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#### QUESTION 4

You need to create a copy of a custom Compute Engine virtual machine (VM) to facilitate an expected increase in application traffic due to a business acquisition. What should you do?

A. Create a Compute Engine snapshot of your base VM. Create your images from that snapshot.

B. Create a Compute Engine snapshot of your base VM. Create your instances from that snapshot.

C. Create a custom Compute Engine image from a snapshot. Create your images from that image.

D. Create a custom Compute Engine image from a snapshot. Create your instances from that image.

Correct Answer: B

The questions says to create A COPY, not multiple copies. If we were doing more than one VM then we would select D for custom image. <https://cloud.google.com/compute/docs/machine-images>

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#### QUESTION 5

A company wants to build an application that stores images in a Cloud Storage bucket and wants to generate



thumbnails as well as resize the images. They want to use a google managed service that can scale up and scale down to zero automatically with minimal effort. You have been asked to recommend a service. Which GCP service would you suggest?

- A. Google Compute Engine
- B. Google App Engine
- C. Cloud Functions
- D. Google Kubernetes Engine

Correct Answer: C



Text

Description automatically generated with low confidence

Cloud Functions is Google Cloud's event-driven serverless compute platform. It automatically scales based on the load and requires no additional configuration. You pay only for the resources used.

Ref: <https://cloud.google.com/functions>

While all other options i.e. Google Compute Engine, Google Kubernetes Engine, Google App Engine support autoscaling, it needs to be configured explicitly based on the load and is not as trivial as the scale up or scale down offered by Google's cloud functions.

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