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Professional-Cloud-Developer Exam

Google Cloud Certified

Questions & Answers

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Version: 9.0

Question: 1

You want to upload files from an on-premises virtual machine to Google Cloud Storage as part of a data migration. These files will be consumed by Cloud DataProc Hadoop cluster in a GCP environment. Which command should you use?

- A. gsutil cp [LOCAL_OBJECT] gs://[DESTINATION_BUCKET_NAME]/
- B. gcloud cp [LOCAL_OBJECT] gs://[DESTINATION_BUCKET_NAME]/
- C. hadoop fs cp [LOCAL_OBJECT] gs://[DESTINATION_BUCKET_NAME]/
- D. gcloud dataproc cp [LOCAL_OBJECT] gs://[DESTINATION_BUCKET_NAME]/

Answer: A

Explanation:

The gsutil cp command allows you to copy data between your local file storage. boto files generated by running "gsutil config"

Question: 2

You migrated your applications to Google Cloud Platform and kept your existing monitoring platform. You now find that your notification system is too slow for time critical problems. What should you do?

- A. Replace your entire monitoring platform with Stackdriver.
- B. Install the Stackdriver agents on your Compute Engine instances.
- C. Use Stackdriver to capture and alert on logs, then ship them to your existing platform.
- D. Migrate some traffic back to your old platform and perform AB testing on the two platforms concurrently.

Answer: B

Reference:

<https://cloud.google.com/monitoring/>

Question: 3

You are planning to migrate a MySQL database to the managed Cloud SQL database for Google Cloud. You have Compute Engine virtual machine instances that will connect with this Cloud SQL

instance. You do not want to whitelist IPs for the Compute Engine instances to be able to access Cloud SQL.

What should you do?

- A. Enable private IP for the Cloud SQL instance.
- B. Whitelist a project to access Cloud SQL, and add Compute Engine instances in the whitelisted project.
- C. Create a role in Cloud SQL that allows access to the database from external instances, and assign the Compute Engine instances to that role.
- D. Create a CloudSQL instance on one project. Create Compute engine instances in a different project. Create a VPN between these two projects to allow internal access to CloudSQL.

Answer: C

Reference:

<https://cloud.google.com/sql/docs/mysql/connect-external-app>

Question: 4

You have deployed an HTTP(s) Load Balancer with the gcloud commands shown below.

```
export NAME=load-balancer

# create network
gcloud compute networks create ${NAME}

# add instance
gcloud compute instances create ${NAME}-backend-instance-1 --subnet ${NAME} --no address

# create the instance group
gcloud compute instance-groups unmanaged create ${NAME}-i
gcloud compute instance-groups unmanaged set-named-ports ${NAME}-i --named-ports http:80
gcloud compute instance-groups unmanaged add-instances ${NAME}-i --instances ${NAME}-instance-1

# configure health checks
gcloud compute health-checks create http ${NAME}-http-hc --port 80

# create backend service
gcloud compute backend-services create ${NAME}-http-bee --health-checks ${NAME}-http-hc --protocol HTTP --port-name http
--global
gcloud compute backend-services add-backend ${NAME}-http-bee --instance-group ${NAME}-i --balancing-mode RATE --max-rate
100000 --capacity-scaler 1.0 --global --instance-group-zone us-east1-d

# create url maps and forwarding rule
gcloud compute url-maps create ${NAME}-http-urlmap --default-service ${NAME}-http-bee
gcloud compute target-http-proxies create ${NAME}-http-proxy --url-map ${NAME}-http-urlmap
gcloud compute forwarding-rules create ${NAME}-http-fw --global --ip-protocol ICF --target-http-proxy ${NAME}-http-proxy
--ports 80
```

Health checks to port 80 on the Compute Engine virtual machine instance are failing and no traffic is sent to your instances. You want to resolve the problem.

Which commands should you run?

- A. gcloud compute instances add-access-config \${NAME}-backend-instance-1
- B. gcloud compute instances add-tags \${NAME}-backend-instance-1 --tags http-server
- C. gcloud compute firewall-rules create allow-lb --network load-balancer --allow tcp --source-ranges 130.211.0.0/22,35.191.0.0/16 --direction INGRESS
- D. gcloud compute firewall-rules create allow-lb --network load-balancer --allow tcp --destination-ranges 130.211.0.0/22,35.191.0.0/16 --direction EGRESS

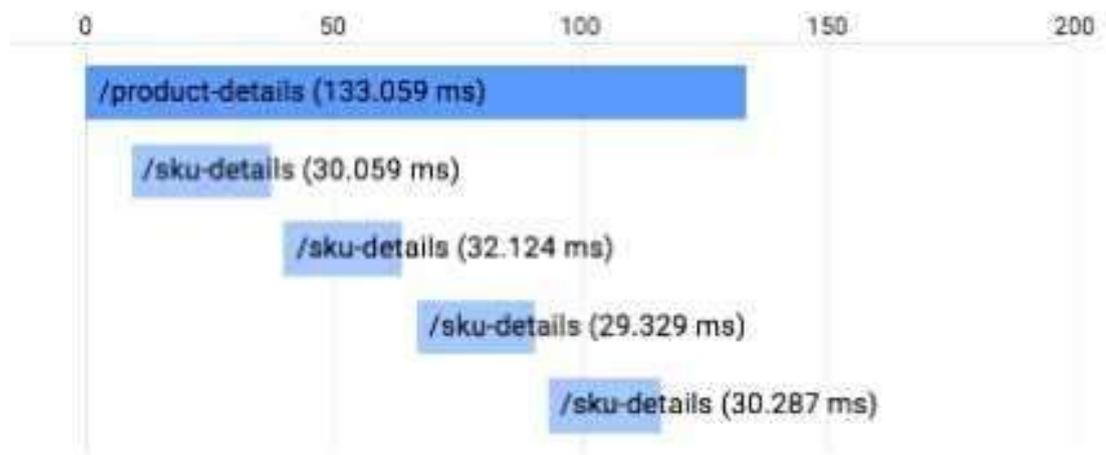
Answer: C

Reference:

<https://cloud.google.com/vpc/docs/special-configurations>

Question: 5

You have an application running in App Engine. Your application is instrumented with Stackdriver Trace. The /product-details request reports details about four known unique products at /sku-details as shown below. You want to reduce the time it takes for the request to complete. What should you do?

Timeline

- A. Increase the size of the instance class.
- B. Change the Persistent Disk type to SSD.
- C. Change /product-details to perform the requests in parallel.
- D. Store the /sku-details information in a database, and replace the webservice call with a database query.

Answer: C

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