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QUESTION 1

Your company has a Google Cloud Platform project that uses BigQuery for data warehousing. Your data science team changes frequently and has few members. You need to allow members of this team to perform queries. You want to follow Google-recommended practices. What should you do?

A. 1. Create an IAM entry for each data scientist\\'s user account.

2. Assign the BigQuery jobUser role to the group.

B. 1. Create an IAM entry for each data scientist\\'s user account.

2. Assign the BigQuery dataViewer user role to the group.

C. 1. Create a dedicated Google group in Cloud Identity.

2.

 Add each data scientist\\'s user account to the group.

3.

 Assign the BigQuery jobUser role to the group.

D. 1. Create a dedicated Google group in Cloud Identity.

2.

 Add each data scientist\\'s user account to the group.

3.

 Assign the BigQuery dataViewer user role to the group.

Correct Answer: C

jobUser allows running queries.

dataViewer does not allow running queries.

Read the documentation: https://cloud.google.com/bigquery/docs/access-control#bigquery.jobUser

QUESTION 2

You are the team lead of a group of 10 developers. You provided each developer with an individual Google Cloud Project that they can use as their personal sandbox to experiment with different Google Cloud solutions. You want to be notified if any of the developers are spending above $500 per month on their sandbox environment. What should you do?

A. Create a single budget for all projects and configure budget alerts on this budget.

B. Create a separate billing account per sandbox project and enable BigQuery billing exports. Create a Data Studio dashboard to plot the spending per billing account.

C. Create a budget per project and configure budget alerts on all of these budgets.

D. Create a single billing account for all sandbox projects and enable BigQuery billing exports. Create a Data Studio
dashboard to plot the spending per project.

Correct Answer: C

Reference: https://cloud.google.com/billing/docs/how-to/budgets

QUESTION 3

You have deployed an application on a single Compute Engine instance. The application writes logs to disk. Users start
reporting errors with the application. You want to diagnose the problem. What should you do?

A. Navigate to Cloud Logging and view the application logs.

B. Connect to the instance\\'s serial console and read the application logs.

C. Configure a Health Check on the instance and set a Low Healthy Threshold value.

D. Install and configure the Cloud Logging Agent and view the logs from Cloud Logging.

Correct Answer: D

Reference: https://cloud.google.com/error-reporting/docs/setup/compute-engine

QUESTION 4

You are deploying a production application on Compute Engine. You want to prevent anyone from accidentally
destroying the instance by clicking the wrong button. What should you do?

A. Disable the flag "Delete boot disk when instance is deleted."

B. Enable delete protection on the instance.

C. Disable Automatic restart on the instance.

D. Enable Preemptibility on the instance.

Correct Answer: B

Preventing Accidental VM Deletion This document describes how to protect specific VM instances from deletion by
setting the deletionProtection property on an Instance resource. To learn more about VM instances, read the Instances
documentation. As part of your workload, there might be certain VM instances that are critical to running your
application or services, such as an instance running a SQL server, a server used as a license manager, and so on.
These VM instances might need to stay running indefinitely so you need a way to protect these VMs from being deleted.
By setting the deletionProtection flag, a VM instance can be protected from accidental deletion. If a user attempts to
delete a VM instance for which you have set the deletionProtection flag, the request fails. Only a user that has been
granted a role with compute.instances.create permission can reset the flag to allow the resource to be deleted.
https://cloud.google.com/compute/docs/instances/preventing-accidental-vm-deletion

Reference: https://googlecloudplatform.uservoice.com/forums/302595-compute-engine/suggestions/14227521-set-
delete-boot-disk-when-instance-is-deleted-to

QUESTION 5

You have a Bigtable instance that consists of three nodes that store personally identifiable information (PII) data. You need to log all read or write operations, including any metadata or configuration reads of this database table, in your company\\'s Security Information and Event Management (SIEM) system. What should you do?

A. Navigate to Cloud Monitoring in the Google Cloud console, and create a custom monitoring job for the Bigtable instance to track all changes. Create an alert by using webhook endpoints, with the SIEM endpoint as a receiver.

B. Navigate to the Audit Logs page in the Google Cloud console, and enable Admin Write logs for the Bigtable instance. Create a Cloud Functions instance to export logs from Cloud Logging to your SIEM.

C. Navigate to the Audit Logs page in the Google Cloud console, and enable Data Read, Data Write and Admin Read logs for the Bigtable instance. Create a Pub/Sub topic as a Cloud Logging sink destination, and add your SIEM as a subscriber to the topic.

D. Install the Ops Agent on the Bigtable instance during configuration. Create a service account with read permissions for the Bigtable instance. Create a custom Dataflow job with this service account to export logs to the company\\'s SIEM system.

Correct Answer: C

Data Access audit logs-except for BigQuery-are disabled by default and you need to enable them