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QUESTION 1

You manage an application that is writing logs to Stackdriver Logging. You need to give some team members the ability to export logs. What should you do?

- A. Grant the team members the IAM role of logging.configWriter on Cloud IAM.
- B. Configure Access Context Manager to allow only these members to export logs.
- C. Create and grant a custom IAM role with the permissions logging.sinks.list and logging.sink.get.
- D. Create an Organizational Policy in Cloud IAM to allow only these members to create log exports.

Correct Answer: A

Reference: <https://cloud.google.com/logging/docs/access-control>

QUESTION 2

You have a set of applications running on a Google Kubernetes Engine (GKE) cluster, and you are using Stackdriver Kubernetes Engine Monitoring. You are bringing a new containerized application required by your company into production. This application is written by a third party and cannot be modified or reconfigured. The application writes its log information to /var/log/app_messages.log, and you want to send these log entries to Stackdriver Logging. What should you do?

- A. Use the default Stackdriver Kubernetes Engine Monitoring agent configuration.
- B. Deploy a Fluentd daemonset to GKE. Then create a customized input and output configuration to tail the log file in the application's pods and write to Stackdriver Logging.
- C. Install Kubernetes on Google Compute Engine (GCE) and redeploy your applications. Then customize the built-in Stackdriver Logging configuration to tail the log file in the application's pods and write to Stackdriver Logging.
- D. Write a script to tail the log file within the pod and write entries to standard output. Run the script as a sidecar container with the application's pod. Configure a shared volume between the containers to allow the script to have read access to /var/log in the application container.

Correct Answer: B

Reference: <https://cloud.google.com/solutions/customizing-stackdriver-logs-fluentd>

QUESTION 3

You support a high-traffic web application that runs on Google Cloud Platform (GCP). You need measure application reliability from a user perspective without making any engineering changes to it. What should you do? (Choose two.)

- A. Review current application metrics and add new ones as needed.
- B. Modify the code to capture additional information for user interaction.
- C. Analyze the web proxy logs only and capture response time of each request.



- D. Create new synthetic clients to simulate a user journey using the application.
- E. Use current and historic Request Logs to trace customer interaction with the application.

Correct Answer: DE

https://cloud.google.com/architecture/adopting-slos#choosing_a_measurement_method

QUESTION 4

Your company processes IoT data at scale by using Pub/Sub, App Engine standard environment, and an application written in Go. You noticed that the performance inconsistently degrades at peak load. You could not reproduce this issue on your workstation. You need to continuously monitor the application in production to identify slow paths in the code. You want to minimize performance impact and management overhead. What should you do?

- A. Use Cloud Monitoring to assess the App Engine CPU utilization metric.
- B. Install a continuous profiling tool into Compute Engine. Configure the application to send profiling data to the tool.
- C. Periodically run the go tool pprof command against the application instance. Analyze the results by using flame graphs.
- D. Configure Cloud Profiler, and initialize the cloud.google.com/go/profiler library in the application.

Correct Answer: D

<https://cloud.google.com/profiler/docs/profiling-go#app-engine>

QUESTION 5

You are running an application in a virtual machine (VM) using a custom Debian image. The image has the Stackdriver Logging agent installed. The VM has the cloud-platform scope. The application is logging information via syslog. You want to use Stackdriver Logging in the Google Cloud Platform Console to visualize the logs. You notice that syslog is not showing up in the "All logs" dropdown list of the Logs Viewer. What is the first thing you should do?

- A. Look for the agent's test log entry in the Logs Viewer.
- B. Install the most recent version of the Stackdriver agent.
- C. Verify the VM service account access scope includes the monitoring.write scope.
- D. SSH to the VM and execute the following commands on your VM: ps ax | grep fluentd.

Correct Answer: D

Reference: <https://groups.google.com/g/google-stackdriver-discussion/c/FXehB9a-5Vk?pli=1>

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