

# DUMPS ARENA

## Google Cloud Certified - Professional Cloud DevOps Engineer Exam

Google Google-Professional-Cloud-DevOps-Engineer

Version Demo

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**QUESTION NO: 1**

You support a high-traffic web application that runs on Google Cloud Platform (GCP). You need to 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.

**ANSWER: B D****QUESTION NO: 2**

You support a service with a well-defined Service Level Objective (SLO). Over the previous 6 months, your service has consistently met its SLO and customer satisfaction has been consistently high. Most of your service's operations tasks are automated and few repetitive tasks occur frequently. You want to optimize the balance between reliability and deployment velocity while following site reliability engineering best practices. What should you do? (Choose two.)

- A. Make the service's SLO more strict.
- B. Increase the service's deployment velocity and/or risk.
- C. Shift engineering time to other services that need more reliability.
- D. Get the product team to prioritize reliability work over new features.
- E. Change the implementation of your Service Level Indicators (SLIs) to increase coverage.

**ANSWER: D E****Explanation:**

Reference: <https://sre.google/sre-book/service-level-objectives/>

**QUESTION NO: 3**

You are working with a government agency that requires you to archive application logs for seven years. You need to configure Stackdriver to export and store the logs while minimizing costs of storage. What should you do?

- A. Create a Cloud Storage bucket and develop your application to send logs directly to the bucket.
- B. Develop an App Engine application that pulls the logs from Stackdriver and saves them in BigQuery.
- C. Create an export in Stackdriver and configure Cloud Pub/Sub to store logs in permanent storage for seven years.
- D. Create a sink in Stackdriver, name it, create a bucket on Cloud Storage for storing archived logs, and then select the bucket as the log export destination.

**ANSWER: D**

**Explanation:**

References: <https://jayendrapatil.com/google-cloud-logging/>

**QUESTION NO: 4**

You have a CI/CD pipeline that uses Cloud Build to build new Docker images and push them to Docker Hub. You use Git for code versioning. After making a change in the Cloud Build YAML configuration, you notice that no new artifacts are being built by the pipeline. You need to resolve the issue following Site Reliability Engineering practices. What should you do?

- A. Disable the CI pipeline and revert to manually building and pushing the artifacts.
- B. Change the CI pipeline to push the artifacts to Container Registry instead of Docker Hub.
- C. Upload the configuration YAML file to Cloud Storage and use Error Reporting to identify and fix the issue.
- D. Run a Git compare between the previous and current Cloud Build Configuration files to find and fix the bug.

**ANSWER: B**

**QUESTION NO: 5**

You support a multi-region web service running on Google Kubernetes Engine (GKE) behind a Global HTTP/S Cloud Load Balancer (CLB). For legacy reasons, user requests first go through a third-party Content Delivery Network (CDN), which then routes traffic to the CLB. You have already implemented an availability Service Level Indicator (SLI) at the CLB level. However, you want to increase coverage in case of a potential load balancer misconfiguration, CDN failure, or other global networking catastrophe. Where should you measure this new SLI? (Choose two.)

- A. Your application servers' logs.
- B. Instrumentation coded directly in the client.
- C. Metrics exported from the application servers.
- D. GKE health checks for your application servers.
- E. A synthetic client that periodically sends simulated user requests.

**ANSWER: C D****QUESTION NO: 6**

You need to define Service Level Objectives (SLOs) for a high-traffic multi-region web application. Customers expect the application to always be available and have fast response times. Customers are currently happy with the application performance and availability. Based on current measurement, you observe that the 90th percentile of latency is 120ms and the 95th percentile of latency is 275ms over a 28-day window. What latency SLO would you recommend to the team to publish?

- A.** 90th percentile – 100ms  
95th percentile – 250ms
- B.** 90th percentile – 120ms  
95th percentile – 275ms
- C.** 90th percentile – 150ms  
95th percentile – 300ms
- D.** 90th percentile – 250ms  
95th percentile – 400ms

**ANSWER: B****QUESTION NO: 7**

You deploy a new release of an internal application during a weekend maintenance window when there is minimal user traffic. After the window ends, you learn that one of the new features isn't working as expected in the production environment. After an extended outage, you roll back the new release and deploy a fix. You want to modify your release process to reduce the mean time to recovery so you can avoid extended outages in the future. What should you do? (Choose two.)

- A.** Before merging new code, require 2 different peers to review the code changes.
- B.** Adopt the blue/green deployment strategy when releasing new code via a CD server.
- C.** Integrate a code linting tool to validate coding standards before any code is accepted into the repository.
- D.** Require developers to run automated integration tests on their local development environments before release.
- E.** Configure a CI server. Add a suite of unit tests to your code and have your CI server run them on commit and verify any changes.

**ANSWER: A C****QUESTION NO: 8**

Your company follows Site Reliability Engineering practices. You are the Incident Commander for a new, customer-impacting incident. You need to immediately assign two incident management roles to assist you in an effective incident response. What roles should you assign? (Choose two.)

- A. Operations Lead
- B. Engineering Lead
- C. Communications Lead
- D. Customer Impact Assessor
- E. External Customer Communications Lead

**ANSWER: A E**

#### QUESTION NO: 9

You are deploying an application that needs to access sensitive information. You need to ensure that this information is encrypted and the risk of exposure is minimal if a breach occurs. What should you do?

- A. Store the encryption keys in Cloud Key Management Service (KMS) and rotate the keys frequently
- B. Inject the secret at the time of instance creation via an encrypted configuration management system.
- C. Integrate the application with a Single sign-on (SSO) system and do not expose secrets to the application.
- D. Leverage a continuous build pipeline that produces multiple versions of the secret for each instance of the application.

**ANSWER: A**

#### QUESTION NO: 10

You support an e-commerce application that runs on a large Google Kubernetes Engine (GKE) cluster deployed on-premises and on Google Cloud Platform. The application consists of microservices that run in containers. You want to identify containers that are using the most CPU and memory. What should you do?

- A. Use Stackdriver Kubernetes Engine Monitoring.
- B. Use Prometheus to collect and aggregate logs per container, and then analyze the results in Grafana.
- C. Use the Stackdriver Monitoring API to create custom metrics, and then organize your containers using groups.
- D. Use Stackdriver Logging to export application logs to BigQuery, aggregate logs per container, and then analyze CPU and memory consumption.

**ANSWER: B**