

[2026] Google Professional-Cloud-Developer Questions: Tips to Get Results Effortlessly



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Managing Application Performance Monitoring

- Manage Workloads for the Google Kubernetes Engine: The considerations for this topic include configuring monitoring & logging, viewing & analyzing logs, configuring workload auto-scaling, writing & exporting custom metrics, and analyzing the

lifecycle events of a container.

- Troubleshoot Application Performance: This one covers the skills of the test takers in using Cloud Debugger, creating and writing custom and log-based metrics, exporting the logs from GC, and using forums, Google Cloud support, and documentation, among others.
- Manage Compute Engine Virtual Machines: It covers the applicants' skills in analyzing & viewing logs; debugging custom VM images with serial ports, sending logs to Cloud Logging from VMs, and inspecting resource usage over time.

Google Certified Professional - Cloud Developer Sample Questions (Q353-Q358):

NEW QUESTION # 353

Case Study 2 - HipLocal

Company Overview

HipLocal is a community application designed to facilitate communication between people in close proximity. It is used for event planning and organizing sporting events, and for businesses to connect with their local communities. HipLocal launched recently in a few neighborhoods in Dallas and is rapidly growing into a global phenomenon. Its unique style of hyper-local community communication and business outreach is in demand around the world.

Executive Statement

We are the number one local community app; it's time to take our local community services global. Our venture capital investors want to see rapid growth and the same great experience for new local and virtual communities that come online, whether their members are 10 or 10000 miles away from each other.

Solution Concept

HipLocal wants to expand their existing service, with updated functionality, in new regions to better serve their global customers. They want to hire and train a new team to support these regions in their time zones. They will need to ensure that the application scales smoothly and provides clear uptime data, and that they analyze and respond to any issues that occur.

Existing Technical Environment

HipLocal's environment is a mix of on-premises hardware and infrastructure running in Google Cloud Platform. The HipLocal team understands their application well, but has limited experience in global scale applications. Their existing technical environment is as follows:

- Existing APIs run on Compute Engine virtual machine instances hosted in GCP.
- State is stored in a single instance MySQL database in GCP.
- Release cycles include development freezes to allow for QA testing.
- The application has no logging.
- Applications are manually deployed by infrastructure engineers during periods of slow traffic on weekday evenings.
- There are basic indicators of uptime; alerts are frequently fired when the APIs are unresponsive.

Business Requirements

HipLocal's investors want to expand their footprint and support the increase in demand they are seeing. Their requirements are:

- Expand availability of the application to new regions.
- Support 10x as many concurrent users.
- Ensure a consistent experience for users when they travel to different regions.
- Obtain user activity metrics to better understand how to monetize their product.
- Ensure compliance with regulations in the new regions (for example, GDPR).
- Reduce infrastructure management time and cost.
- Adopt the Google-recommended practices for cloud computing.

Develop standardized workflows and processes around application lifecycle management.

Define service level indicators (SLIs) and service level objectives (SLOs).

Technical Requirements

- Provide secure communications between the on-premises data center and cloud-hosted applications and infrastructure.
- The application must provide usage metrics and monitoring.
- APIs require authentication and authorization.
- Implement faster and more accurate validation of new features.
- Logging and performance metrics must provide actionable information to be able to provide debugging information and alerts.
- Must scale to meet user demand.

For this question, refer to the HipLocal case study.

HipLocal's application uses Cloud Client Libraries to interact with Google Cloud. HipLocal needs to configure authentication and authorization in the Cloud Client Libraries to implement least privileged access for the application. What should they do?

- **A. Create a service account for the application. Export and deploy the private key for the application. Use the service account to interact with Google Cloud.**
- B. Create a service account for the application and for each Google Cloud API used by the application. Export and deploy

- the private keys used by the application. Use the service account with one Google Cloud API to interact with Google Cloud.
- C. Use the default compute service account to interact with Google Cloud.
 - D. Create an API key. Use the API key to interact with Google Cloud.

Answer: A

NEW QUESTION # 354

You work for an ecommerce company. Your company is migrating multiple applications to Google Cloud, and you are assisting with the migration of one of the applications. The application is currently deployed on a VM without any OS dependencies. You have created a Dockerfile and used it to upload a new image to Artifact Registry. You want to minimize the infrastructure and operational complexity. What should you do?

- A. Deploy the image to a GKE Standard cluster.
- **B. Deploy the image to Cloud Run.**
- C. Deploy the image to a GKE Autopilot cluster.
- D. Deploy the image to a Compute Engine instance.

Answer: B

Explanation:

https://services.google.com/fh/files/misc/globalmigrationcustomerebook_2022.pdf

NEW QUESTION # 355

Your application takes an input from a user and publishes it to the user's contacts. This input is stored in a table in Cloud Spanner. Your application is more sensitive to latency and less sensitive to consistency. How should you perform reads from Cloud Spanner for this application?

- A. Perform stale reads using single-read methods.
- **B. Perform stale reads using read-write transactions.**
- C. Perform strong reads using single-read methods.
- D. Perform Read-Only transactions.

Answer: B

Explanation:

Reference: <https://cloud.google.com/solutions/best-practices-cloud-spanner-gaming-database>

NEW QUESTION # 356

You are trying to connect to your Google Kubernetes Engine (GKE) cluster using kubectl from Cloud Shell.

You have deployed your GKE cluster with a public endpoint. From Cloud Shell, you run the following command:

You notice that the kubectl commands time out without returning an error message. What is the most likely cause of this issue?

- **A. Your Cloud Shell external IP address is not part of the authorized networks of the cluster.**
- B. The Cloud Shell is not part of the same VPC as the GKE cluster.
- C. Your user account does not have privileges to interact with the cluster using kubectl.
- D. A VPC firewall is blocking access to the cluster's endpoint.

Answer: A

Explanation:

https://cloud.google.com/kubernetes-engine/docs/how-to/private-clusters#cloud_shell If you want to use Cloud Shell to access the cluster, you must add the public IP address of your Cloud Shell to the cluster's list of authorized networks.

NEW QUESTION # 357

Your website is deployed on Compute Engine. Your marketing team wants to test conversion rates between 3 different website designs.

