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QUESTION 1

You are developing a new public-facing application that needs to retrieve specific properties in the metadata of users' objects in their respective Cloud Storage buckets. Due to privacy and data residency requirements, you must retrieve only the metadata and not the object data. You want to maximize the performance of the retrieval process. How should you retrieve the metadata?

- A. Use the patch method.
- B. Use the compose method.
- C. Use the copy method.
- D. Use the fields request parameter.

Correct Answer: D

https://cloud.google.com/storage/docs/json_api/v1/objects/get

QUESTION 2

You want to notify on-call engineers about a service degradation in production while minimizing development time.

What should you do?

- A. Use Cloud Function to monitor resources and raise alerts.
- B. Use Cloud Pub/Sub to monitor resources and raise alerts.
- C. Use Stackdriver Error Reporting to capture errors and raise alerts.
- D. Use Stackdriver Monitoring to monitor resources and raise alerts.

Correct Answer: A

QUESTION 3

For this question, refer to the HipLocal case study.

HipLocal is expanding into new locations. They must capture additional data each time the application is launched in a new European country. This is causing delays in the development process due to constant schema changes and a lack of environments for conducting testing on the application changes. How should they resolve the issue while meeting the business requirements?

- A. Create new Cloud SQL instances in Europe and North America for testing and deployment. Provide developers with local MySQL instances to conduct testing on the application changes.



B. Migrate data to Bigtable. Instruct the development teams to use the Cloud SDK to emulate a local Bigtable development environment.

C. Move from Cloud SQL to MySQL hosted on Compute Engine. Replicate hosts across regions in the Americas and Europe. Provide developers with local MySQL instances to conduct testing on the application changes.

D. Migrate data to Firestore in Native mode and set up instan

Correct Answer: B

QUESTION 4

You are developing an application that will allow users to read and post comments on news articles. You want to configure your application to store and display user-submitted comments using Firestore. How should you design the schema to support an unknown number of comments and articles?

A. Store each comment in a subcollection of the article.

B. Add each comment to an array property on the article.

C. Store each comment in a document, and add the comment's key to an array property on the article.

D. Store each comment in a document, and add the comment's key to an array property on the user profile.

Correct Answer: D

QUESTION 5

You are developing a new application that has the following design requirements:

1.

Creation and changes to the application infrastructure are versioned and auditable.

2.

The application and deployment infrastructure uses Google-managed services as much as possible.

3.

The application runs on a serverless compute platform.

How should you design the application's architecture?

A. 1. Store the application and infrastructure source code in a Git repository.

2.

Use Cloud Build to deploy the application infrastructure with Terraform.

3.



Deploy the application to a Cloud Function as a pipeline step.

B. 1. Deploy Jenkins from the Google Cloud Marketplace, and define a continuous integration pipeline in Jenkins.

2.

Configure a pipeline step to pull the application source code from a Git repository.

3.

Deploy the application source code to App Engine as a pipeline step.

C. 1. Create a continuous integration pipeline on Cloud Build, and configure the pipeline to deploy the application infrastructure using Deployment Manager templates.

2.

Configure a pipeline step to create a container with the latest application source code.

3.

Deploy the container to a Compute Engine instance as a pipeline step.

D. 1. Deploy the application infrastructure using gcloud commands.

2.

Use Cloud Build to define a continuous integration pipeline for changes to the application source code.

3.

Configure a pipeline step to pull the application source code from a Git repository, and create a containerized application.

4.

Deploy the new container on Cloud Run as a pipeline step.

Correct Answer: D

Reference: <https://cloud.google.com/docs/ci-cd>

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