

Professional-Cloud-DevOps-Engineer Test Sample Questions | Examinations Professional-Cloud-DevOps-Engineer Actual Questions

Q GCP Professional Cloud Architect: Google Cloud Certification - Quiz 05
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1. Mountkirk Games wants to set up a continuous delivery pipeline. Their architecture includes many small services that they want to be able to update and roll back quickly. Mountkirk Games has the following requirements: (1) Services are deployed redundantly across multiple regions in the US and Europe, (2) Only frontend services are exposed on the public internet, (3) They can reserve a single frontend IP for their fleet of services, and (4) Deployment artifacts are immutable. Which set of products should they use? Google Kubernetes Registry, Google Container Engine, Google HTTPS Load Balancer
2. You are the data compliance officer for TerramEarth and must protect customers' personally identifiable information (PII), like credit card information. TerramEarth wants to personalize product recommendations for its large industrial customers. You need to respect data privacy and deliver a solution. What should you do? Use the Cloud Data Loss Prevention (DLP) API to provide data to the recommendation service
3. One of EHR healthcare customers is an internationally renowned research and hospital facility. Many of their patients are well-known public personalities. Sources both inside and outside have tried many times to obtain health information on these patients for malicious purposes. The hospital requires that patient information stored in Cloud Storage buckets not leave the geographic areas in which the buckets are hosted. You need to ensure that information stored in Cloud Storage buckets in the "europe-west2" region does not leave that area. What should you do? Enable Virtual Private Network Service Controls, and create a service perimeter around the Cloud Storage resources.
4. VPNs

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All of these advantages, you can avail of after passing the Professional-Cloud-DevOps-Engineer exam. You must find the best resource to prepare for the Google Professional-Cloud-DevOps-Engineer test if you want to pass the Google Professional-Cloud-DevOps-Engineer Certification Exam. Without proper Google Professional-Cloud-DevOps-Engineer exam preparation, getting success in the Google Professional-Cloud-DevOps-Engineer exam is impossible.

Google Professional-Cloud-DevOps-Engineer Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">• Implementing service monitoring strategies: This topic covers structured and unstructured logs from Compute Engine, GKE, and serverless platforms using Cloud Logging. Its sub-topics include coverage of metrics with Cloud Monitoring, dashboards and alerts in Cloud Monitoring, Cloud Logging platform, and logging and monitoring access controls.

Topic 2	<ul style="list-style-type: none"> • Building and implementing CI • CD pipelines for a service: Management and designing of CI • CD pipelines, implementation of CI • CD pipelines, management of CI • CD configuration, and secrets are discussed in this paper. Moreover, it focuses on storage methods and key rotation services, and finally securing the CI • CD deployment pipeline.
Topic 3	<ul style="list-style-type: none"> • Optimizing the service performance: It delves into the identification of service performance issues, implementation of debugging tools in Google Cloud, and optimization of resource utilization and costs.
Topic 4	<ul style="list-style-type: none"> • Bootstrapping a Google Cloud organization for DevOps: It discusses the overall resource hierarchy for an organization, infrastructure as code, CI • CD architecture stack in Google Cloud, hybrid, and multi-cloud environments. Moreover, the topic focuses on multiple environments including staging and production.
Topic 5	<ul style="list-style-type: none"> • Applying site reliability engineering practices to a service: It deals with velocity, and reliability of the service, service lifecycle, healthy communication, and collaboration for operations. The topic also discusses mitigation of incident impact on users and conducting a postmortem.

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Our Professional-Cloud-DevOps-Engineer study guide boosts both the high passing rate which is about 98%-100% and the high hit rate to have few difficulties to pass the test. Our Professional-Cloud-DevOps-Engineer exam simulation is compiled based on the resources from the authorized experts' diligent working and the Real Professional-Cloud-DevOps-Engineer Exam and confer to the past years' exam papers thus they are very practical. The content of the questions and answers of Professional-Cloud-DevOps-Engineer exam quiz is refined and focuses on the most important information.

Google Professional-Cloud-DevOps-Engineer Certification Exam is a highly sought after certification for professionals looking to demonstrate their expertise in implementing DevOps practices on Google Cloud Platform. Google Cloud Certified - Professional Cloud DevOps Engineer Exam certification validates the skills and knowledge required to build, deploy, and manage applications using Google Cloud Platform tools and services.

Google Cloud Certified - Professional Cloud DevOps Engineer Exam Sample Questions (Q94-Q99):

NEW QUESTION # 94

You are managing the production deployment to a set of Google Kubernetes Engine (GKE) clusters. You want to make sure only images which are successfully built by your trusted CI/CD pipeline are deployed to production. What should you do?

- A. Set up the Kubernetes Engine clusters as private clusters.
- B. Enable Cloud Security Scanner on the clusters.
- C. Enable Vulnerability Analysis on the Container Registry.
- D. Set up the Kubernetes Engine clusters with Binary Authorization.

Answer: D

NEW QUESTION # 95

You are responsible for the reliability of a high-volume enterprise application. A large number of users report that an important subset of the application's functionality - a data intensive reporting feature - is consistently failing with an HTTP 500 error. When you investigate your application's dashboards, you notice a strong correlation between the failures and a metric that represents the size of an internal queue used for generating reports. You trace the failures to a reporting backend that is experiencing high I/O wait times.

You quickly fix the issue by resizing the backend's persistent disk (PD). How you need to create an availability Service Level Indicator (SLI) for the report generation feature. How would you define it?

- A. As the I/O wait times aggregated across all report generation backends
- B. As the application's report generation queue size compared to a known-good threshold
- C. As the reporting backend PD throughout capacity compared to a known-good threshold
- D. As the proportion of report generation requests that result in a successful response

Answer: D

Explanation:

Explanation

According to SRE Workbook, one of potential SLI is as below:

- * Type of service: Request-driven
- * Type of SLI: Availability
- * Description: The proportion of requests that resulted in a successful response.

<https://sre.google/workbook/implementing-slos/>

NEW QUESTION # 96

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

Answer: B

NEW QUESTION # 97

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

Answer: B

Explanation:

Explanation

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

NEW QUESTION # 98

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. Install a continuous profiling tool into Compute Engine. Configure the application to send profiling data to the tool.
- B. Use Cloud Monitoring to assess the App Engine CPU utilization metric.
- 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.**

Answer: D

Explanation:

The correct answer is C. Configure Cloud Profiler, and initialize the cloud.google.com/go/profiler library in the application.

According to the Google Cloud documentation, Cloud Profiler is a statistical, low-overhead profiler that continuously gathers CPU usage and memory-allocation information from your production applications¹. Cloud Profiler can help you identify slow paths in your code and optimize the performance of your applications. Cloud Profiler supports applications written in Go that run on App Engine standard environment². To use Cloud Profiler, you need to configure it in your Google Cloud project and initialize the cloud.google.com/go/profiler library in your application code³. You can then use the Cloud Profiler interface to analyze the profiling data and visualize the results by using flame graphs⁴. Cloud Profiler has minimal performance impact and management overhead, as it only samples a small fraction of the application activity and does not require any additional infrastructure or agents.

The other options are incorrect because they do not meet the requirements of minimizing performance impact and management overhead. Option A is incorrect because it requires installing a continuous profiling tool into Compute Engine, which is an additional infrastructure that needs to be managed and maintained. Option B is incorrect because it requires periodically running the go tool pprof command against the application instance, which is a manual and disruptive process that can affect the application performance. Option D is incorrect because it only uses Cloud Monitoring to assess the App Engine CPU utilization metric, which is not enough to identify slow paths in the code or optimize the application performance.

Reference:

Cloud Profiler documentation, Overview, Profiling Go applications, Supported environments, Profiling Go applications, Using Cloud Profiler, Analyzing data, Analyzing data.

NEW QUESTION # 99

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