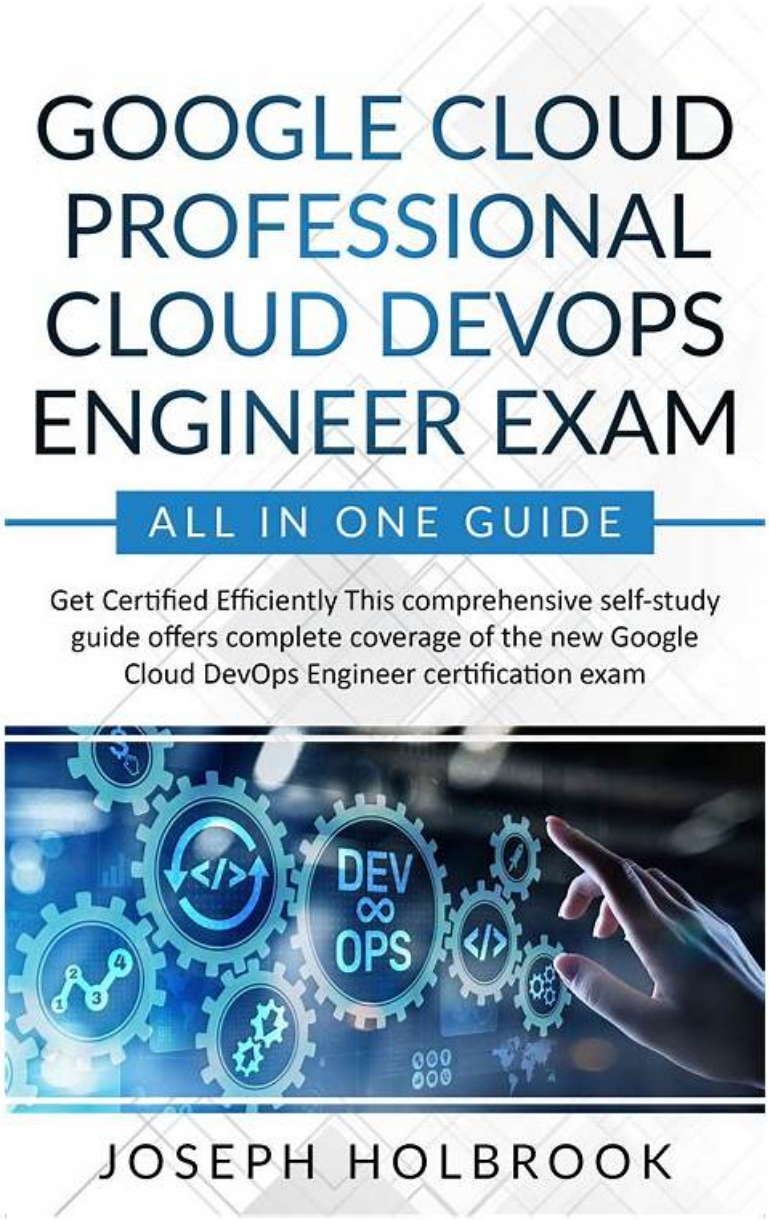
Professional-Cloud-DevOps-Engineer New Study Plan & Professional-Cloud-DevOps-Engineer New Dumps Book



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The Professional-Cloud-DevOps-Engineer prep guide adopt diversified such as text, images, graphics memory method, have to distinguish the markup to learn information, through comparing different color font, as well as the entire logical framework architecture, let users on the premise of grasping the overall layout, better clues to the formation of targeted long-term memory, and through the cycle of practice, let the knowledge more deeply printed in my mind. The Professional-Cloud-DevOps-Engineer Exam Questions are so scientific and reasonable that you can easily remember everything.

>> Professional-Cloud-DevOps-Engineer New Study Plan <<

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This format is for candidates who do not have the time or energy to use a computer or laptop for preparation. The Google Professional-Cloud-DevOps-Engineer PDF file includes real Google Professional-Cloud-DevOps-Engineer questions, and they can be easily printed and studied at any time. FreeDumps regularly updates its PDF file to ensure that its readers have access to the updated questions.

Test Structure

The candidates who want to take this Google exam will have two hours to answer all questions. Even though the vendor doesn't give details on the total number of questions that the examinees will receive, they should be prepared to solve multiple-choice and multiple-answer inquiries. Besides, the test is delivered in the English language only. As for the registration fee, the test-takers will need to pay $200 to take it. Additional taxes may apply depending on the candidate's profile and chosen delivery method. By and large, the applicants have two options to take the official exam. They can choose to take it online from any remote location that they prefer. If they choose this option, the candidates should read carefully what the testing requirements are. In case applicants prefer to be present in a classroom when they take the actual testing, then they can search for a test center that is closest to their location. Also, Google doesn't have any prerequisites for the candidates to be eligible for the evaluation. Still, it recommends that the candidates for the Professional Cloud DevOps Engineer exam should have at least 3 years of experience in the industry including a minimum of one year of experience in managing and developing solutions on GCP.

Career Prospects

The Google Professional Cloud DevOps Engineer certification demonstrates your ability to efficiently perform the development operations that can balance service reliability and delivery speed. After completing the qualifying exam, you will be proficient in using Google Cloud Platform to build software delivery pipelines, deploy & monitor services, and manage incidents. This expertise will give you access to endless opportunities for career development. Immediately after getting certified, you can start a career as a Cloud DevOps Engineer. Additionally, you can apply for the related job roles, such as a DevOps Infrastructure Engineer, a Cloud Solutions Architect, a GCP Cloud Native Architect, a Google Cloud Platform Data Architect, a GCP Cloud Data Engineer, and more. The average salary that the certificate holders can earn ranges between $137,000 and $180,000 per year.

Google Cloud Certified - Professional Cloud DevOps Engineer Exam Sample Questions (Q68-Q73):

NEW QUESTION # 68
You are the on-call Site Reliability Engineer for a microservice that is deployed to a Google Kubernetes Engine (GKE) Autopilot cluster. Your company runs an online store that publishes order messages to Pub/Sub and a microservice receives these messages and updates stock information in the warehousing system. A sales event caused an increase in orders, and the stock information is not being updated quickly enough. This is causing a large number of orders to be accepted for products that are out of stock You check the metrics for the microservice and compare them to typical levels.

Microservice metrics	Typical state	Current state
Average CPU across all Pods	20% of Pod limit	30% of Pod limit
Average memory across all Pods	10% of Pod limit	10% of Pod limit
Pub/Sub subscription: Average oldest unacknowledged message age	347 milliseconds	8074 milliseconds
Pub/Sub subscription: Average undelivered messages	5 messages	4705 messages
Pub/Sub subscription: Average acknowledgment latency	312 milliseconds	354 milliseconds

You need to ensure that the warehouse system accurately reflects product inventory at the time orders are placed and minimize the impact on customers What should you do?

- A. Increase the number of Pod replicas
- B. Decrease the acknowledgment deadline on the subscription
- C. Add a virtual queue to the online store that allows typical traffic levels
- D. Increase the Pod CPU and memory limits

Answer: A

Explanation:

The best option for ensuring that the warehouse system accurately reflects product inventory at the time orders are placed and minimizing the impact on customers is to increase the number of Pod replicas.
Increasing the number of Pod replicas will increase the scalability and availability of your microservice, which will allow it to handle more Pub/Sub messages and update stock information faster. This way, you can reduce the backlog of undelivered messages and oldest unacknowledged message age, which are causing delays in updating product inventory. You can use Horizontal Pod Autoscaler or Cloud Monitoring metrics- based autoscaling to automatically adjust the number of Pod replicas based on load or custom metrics.

NEW QUESTION # 69
As part of your company's initiative to shift left on security, the infoSec team is asking all teams to implement guard rails on all the Google Kubernetes Engine (GKE) clusters to only allow the deployment of trusted and approved images You need to determine how to satisfy the InfoSec teams goal of shifting left on security. What should you do?

- A. Enable Container Analysis in Artifact Registry, and check for common vulnerabilities and exposures (CVEs) in your container images
- B. Configure Identity and Access Management (1AM) policies to create a least privilege model on your GKE clusters
- C. Deploy Falco or Twistlock on GKE to monitor for vulnerabilities on your running Pods
- D. Use Binary Authorization to attest images during your CI CD pipeline

Answer: D

NEW QUESTION # 70
Your company runs applications in Google Kubernetes Engine (GKE). Several applications rely on ephemeral volumes. You noticed some applications were unstable due to the DiskPressure node condition on the worker nodes. You need to identify which Pods are causing the issue, but you do not have execute access to workloads and nodes. What should you do?

- A. Check the node/ephemeral_storage/used_bytes metric by using Metrics Explorer.
- B. Locate all the Pods with emptyDir volumes. use the df-h command to measure volume disk usage.
- C. Locate all the Pods with emptyDir volumes. Use the du -sh * command to measure volume disk usage.
- D. Check the metric by using Metrics Explorer.

Answer: A

Explanation:
The correct answer is A, Check the node/ephemeral_storage/used_bytes metric by using Metrics Explorer.
The node/ephemeral_storage/used_bytes metric reports the total amount of ephemeral storage used by Pods on each node1. You can use Metrics Explorer to query and visualize this metric and filter it by node name, namespace, or Pod name2. This way, you can identify which Pods are consuming the most ephemeral storage and causing disk pressure on the nodes. You do not need to have execute access to the workloads or nodes to use Metrics Explorer.
The other options are incorrect because they require execute access to the workloads or nodes, which you do not have. The df -h and du -sh * commands are Linux commands that can measure disk usage, but you need to run them inside the Pods or on the nodes, which is not possible in your scenario34.
Reference:
Monitoring metrics for Kubernetes system components, Node metrics, node/ephemeral_storage/used_bytes. Using Metrics Explorer, Querying metrics. How do I find out disk space utilization information using Linux command line?, df command. How to check disk space in Linux from the command line, du command.

NEW QUESTION # 71
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. 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 Slackdriver Logging.
- B. 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.

- C. 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.
- D. Use the default Stackdriver Kubernetes Engine Monitoring agent configuration.

Answer: A

Explanation:
Explanation
https://cloud.google.com/architecture/customizing-stackdriver-logs-fluentd Besides the list of default logs that the Logging agent streams by default, you can customize the Logging agent to send additional logs to Logging or to adjust agent settings by adding input configurations. The configuration definitions in these sections apply to the fluent-plugin-google-cloud output plugin only and specify how logs are transformed and ingested into Cloud Logging.
https://cloud.google.com/logging/docs/agent/logging/configuration#configure

NEW QUESTION # 72
Your company operates in a highly regulated domain. Your security team requires that only trusted container images can be deployed to Google Kubernetes Engine (GKE). You need to implement a solution that meets the requirements of the security team, while minimizing management overhead. What should you do?

- A. Configure Binary Authorization in your GKE clusters to enforce deploy-time security policies
- B. Use Cloud Run to write and deploy a custom validator Enable an Eventarc trigger to perform validations when new images are uploaded.
- C. Configure Kritis to run in your GKE clusters to enforce deploy-time security policies.
- D. Grant the roles/artifactregistry. writer role to the Cloud Build service account. Confirm that no employee has Artifact Registry write permission.

Answer: A

NEW QUESTION # 73
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If you have any questions on our Professional-Cloud-DevOps-Engineer exam question, you can just contact us for help. Even if it is a technical problem, our professional specialists will provide you with one-on-one services to help you solve it in the first time. And our Professional-Cloud-DevOps-Engineer learning materials are really cost-effective in this respect. We always believe that customer satisfaction is the most important. And we always put the considerations of the customers as the most important matters. Our Professional-Cloud-DevOps-Engineer Study Guide won't let you down.

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