Q&As

Professional Cloud Architect on Google Cloud Platform

Pass Google PROFESSIONAL-CLOUD-ARCHITECT Exam with 100% Guarantee

Free Download Real Questions & Answers **PDF** and **VCE** file from:

https://www.pass4itsure.com/professional-cloud-architect.html

100% Passing Guarantee
100% Money Back Assurance

Following Questions and Answers are all new published by Google Official Exam Center

QUESTION 1

You want your Google Kubernetes Engine cluster to automatically add or remove nodes based on CPUload. What should you do?

A. Configure a HorizontalPodAutoscaler with a target CPU usage. Enable the Cluster Autoscaler from the GCP Console.

B. Configure a HorizontalPodAutoscaler with a target CPU usage. Enable autoscaling on the managed instance group for the cluster using the gcloud command.

C. Create a deployment and set the maxUnavailable and maxSurge properties. Enable the Cluster Autoscaler using the gcloud command.

D. Create a deployment and set the maxUnavailable and maxSurge properties. Enable autoscaling on the cluster managed instance group from the GCP Console.

Correct Answer: B

QUESTION 2

Mountkirk Games wants to set up a real-time analytics platform for their new game. The new platform must meet their technical requirements.

Which combination of Google technologies will meet all of their requirements?

A. Kubernetes Engine, Cloud Pub/Sub, and Cloud SQL

B. Cloud Dataflow, Cloud Storage, Cloud Pub/Sub, and BigQuery

C. Cloud SQL, Cloud Storage, Cloud Pub/Sub, and Cloud Dataflow

D. Cloud Dataproc, Cloud Pub/Sub, Cloud SQL, and Cloud Dataflow

E. Cloud Pub/Sub, Compute Engine, Cloud Storage, and Cloud Dataproc

Correct Answer: B

Ingest millions of streaming events per second from anywhere in the world with Cloud Pub/Sub, powered by Google\\'s unique, high-speed private network. Process the streams with Cloud Dataflow to ensure reliable, exactly-once, low-latency data transformation. Stream the transformed data into BigQuery, the cloud-native data warehousing service, for immediate analysis via SQL or popular visualization tools.

From scenario: They plan to deploy the game\\'s backend on Google Compute Engine so they can capture streaming metrics, run intensive analytics.

Requirements for Game Analytics Platform

1.

Dynamically scale up or down based on game activity

2.

Process incoming data on the fly directly from the game servers

3.

Process data that arrives late because of slow mobile networks

4.

Allow SQL queries to access at least 10 TB of historical data

5.

Process files that are regularly uploaded by users\\' mobile devices

6.

Use only fully managed services

References: https://cloud.google.com/solutions/big-data/stream-analytics/

QUESTION 3

The TerramEarth development team wants to create an API to meet the company\\'s business requirements. You want the development team to focus their development effort on business value versus creating a custom framework.

Which method should they use?

A. Use Google App Engine with Google Cloud Endpoints. Focus on an API for dealers and partners

B. Use Google App Engine with a JAX-RS Jersey Java-based framework. Focus on an API for the public

C. Use Google App Engine with the Swagger (Open API Specification) framework. Focus on an API for the public

D. Use Google Container Engine with a Django Python container. Focus on an API for the public

E. Use Google Container Engine with a Tomcat container with the Swagger (Open API Specification) framework. Focus on an API for dealers and partners

Correct Answer: A

Develop, deploy, protect and monitor your APIs with Google Cloud Endpoints. Using an Open API Specification or one of our API frameworks, Cloud Endpoints gives you the tools you need for every phase of API development.

From scenario: Business Requirements Decrease unplanned vehicle downtime to less than 1 week, without increasing the cost of carrying surplus inventory Support the dealer network with more data on how their customers use their equipment to better position new products and services Have the ability to partner with different companies ?especially with seed and fertilizer suppliers in the fast-growing agricultural business ?to create compelling joint offerings for their customers.

Reference: https://cloud.google.com/certification/guides/cloud-architect/casestudy-terramearth

QUESTION 4

A development team at your company has created a dockerized HTTPS web application. You need to deploy the application on Google Kubernetes Engine (GKE) and make sure that the application scales automatically. How should you deploy to GKE?

A. Use the Horizontal Pod Autoscaler and enable cluster autoscaling. Use an Ingress resource to loadbalance the HTTPS traffic.

B. Use the Horizontal Pod Autoscaler and enable cluster autoscaling on the Kubernetes cluster. Use a Service resource of type LoadBalancer to load-balance the HTTPS traffic.

C. Enable autoscaling on the Compute Engine instance group. Use an Ingress resource to load balance the HTTPS traffic.

D. Enable autoscaling on the Compute Engine instance group. Use a Service resource of type LoadBalancer to load-balance the HTTPS traffic.

Correct Answer: B

https://cloud.google.com/kubernetes-engine/docs/tutorials/http-balancer https://cloud.google.com/kubernetes-engine/docs/concepts/network-overview#ext-lb

QUESTION 5

Your agricultural division is experimenting with fully autonomous vehicles. You want your architecture to promote strong security during vehicle operation. Which two architectures should you consider? (Choose two.)

A. Treat every micro service call between modules on the vehicle as untrusted.

B. Require IPv6 for connectivity to ensure a secure address space.

C. Use a trusted platform module (TPM) and verify firmware and binaries on boot.

D. Use a functional programming language to isolate code execution cycles.

E. Use multiple connectivity subsystems for redundancy.

F. Enclose the vehicle\\'s drive electronics in a Faraday cage to isolate chips.

Correct Answer: AC