

# **Reliable New Professional-Cloud-Architect Test Format & Leader in Certification Exams Materials & Updated Professional-Cloud-Architect Study Dumps**



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Google Professional-Cloud-Architect (Google Certified Professional - Cloud Architect (GCP)) Certification Exam is designed to test the skills and knowledge of cloud architects who work with Google Cloud Platform. It is a globally recognized certification and is highly valued in the industry. Google Certified Professional - Cloud Architect (GCP) certification exam is intended for professionals who have experience in designing and implementing cloud solutions, and who are interested in advancing their careers in cloud architecture.

>> New Professional-Cloud-Architect Test Format <<

## **Professional-Cloud-Architect Study Dumps - Exam Professional-Cloud-Architect Quizzes**

Our Professional-Cloud-Architect practice braindumps not only apply to students, but also apply to office workers; not only apply to veterans in the workplace, but also apply to newly recruited newcomers. And our Professional-Cloud-Architect study materials use a very simple and understandable language, to ensure that all people can learn and understand. Besides, our Professional-Cloud-Architect Real Exam also allows you to avoid the boring of textbook reading, but let you master all the important knowledge in the process of doing exercises.

Google Professional-Cloud-Architect exam is designed to test the skills and knowledge of individuals who work in cloud architecture. Professional-Cloud-Architect exam is part of the Google Certified Professional - Cloud Architect (GCP) certification, which is recognized as a valuable qualification in the cloud computing industry. Professional-Cloud-Architect exam is designed to evaluate the candidate's ability to design and implement cloud solutions that meet the needs of businesses and organizations.

The Google Professional-Cloud-Architect Exam is made up of multiple-choice questions that cover a range of topics, including cloud architecture, security, networking, and data management. Candidates are expected to have a strong understanding of cloud computing technologies and best practices, as well as the ability to apply this knowledge to real-world scenarios. Professional-Cloud-Architect exam is designed to be challenging, with a passing score of 70% required to earn the certification.

## **Google Certified Professional - Cloud Architect (GCP) Sample Questions**

## (Q116-Q121):

### NEW QUESTION # 116

For this question, refer to the JencoMart case study

A few days after JencoMart migrates the user credentials database to Google Cloud Platform and shuts down the old server, the new database server stops responding to SSH connections. It is still serving database requests to the application servers correctly. What three steps should you take to diagnose the problem? Choose 3 answers

- A. Take a snapshot of the disk and connect to a new machine to investigate.
- B. Delete the virtual machine (VM) and disks and create a new one.
- C. Check inbound firewall rules for the network the machine is connected to.
- D. Connect the machine to another network with very simple firewall rules and investigate.
- E. Print the Serial Console output for the instance for troubleshooting, activate the interactive console, and investigate.
- F. Delete the instance, attach the disk to a new VM, and investigate.

**Answer: A,C,E**

Explanation:

<https://cloud.google.com/compute/docs/troubleshooting/troubleshooting-ssh>

### NEW QUESTION # 117

For this question refer to the TerramEarth case study.

Which of TerramEarth's legacy enterprise processes will experience significant change as a result of increased Google Cloud Platform adoption.

- A. Capacity planning, utilization measurement, data center expansion
- B. Capacity planning, TCO calculations, opex/capex allocation
- C. Data Center expansion, TCO calculations, utilization measurement
- D. Opex/capex allocation, LAN changes, capacity planning

**Answer: B**

Explanation:

Topic 1, TerramEarth Case Study

Company Overview

TerramEarth manufactures heavy equipment for the mining and agricultural industries: About 80% of their business is from mining and 20% from agriculture. They currently have over 500 dealers and service centers in 100 countries. Their mission is to build products that make their customers more productive.

Company Background

TerramEarth formed in 1946, when several small, family owned companies combined to retool after World War II. The company cares about their employees and customers and considers them to be extended members of their family.

TerramEarth is proud of their ability to innovate on their core products and find new markets as their customers' needs change. For the past 20 years trends in the industry have been largely toward increasing productivity by using larger vehicles with a human operator.

Solution Concept

There are 20 million TerramEarth vehicles in operation that collect 120 fields of data per second. Data is stored locally on the vehicle and can be accessed for analysis when a vehicle is serviced. The data is downloaded via a maintenance port. This same port can be used to adjust operational parameters, allowing the vehicles to be upgraded in the field with new computing modules.

Approximately 200,000 vehicles are connected to a cellular network, allowing TerramEarth to collect data directly. At a rate of 120 fields of data per second, with 22 hours of operation per day. TerramEarth collects a total of about 9 TB/day from these connected vehicles.

Existing Technical Environment



TerramEarth's existing architecture is composed of Linux-based systems that reside in a data center. These systems gzip CSV files from the field and upload via FTP, transform and aggregate them, and place the data in their data warehouse. Because this process takes time, aggregated reports are based on data that is 3 weeks old.

With this data, TerramEarth has been able to preemptively stock replacement parts and reduce unplanned downtime of their vehicles by 60%. However, because the data is stale, some customers are without their vehicles for up to 4 weeks while they wait for replacement parts.

#### 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 IP 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 CEO Statement We have been successful in capitalizing on the trend toward larger vehicles to increase the productivity of our customers. Technological change is occurring rapidly and TerramEarth has taken advantage of connected devices technology to provide our customers with better services, such as our intelligent farming equipment.

With this technology, we have been able to increase farmers' yields by 25%, by using past trends to adjust how our vehicles operate. These advances have led to the rapid growth of our agricultural product line, which we expect will generate 50% of our revenues by 2020.

#### CTO Statement

Our competitive advantage has always been in the manufacturing process with our ability to build better vehicles for lower cost than our competitors. However, new products with different approaches are constantly being developed, and I'm concerned that we lack the skills to undergo the next wave of transformations in our industry. Unfortunately, our CEO doesn't take technology obsolescence seriously and he considers the many new companies in our industry to be niche players. My goals are to build our skills while addressing immediate market needs through incremental innovations.

### NEW QUESTION # 118

You are using a single Cloud SQL instance to serve your application from a specific zone. You want to introduce high availability. What should you do?

- A. Create a read replica instance in the same region, but in a different zone
- B. Create a failover replica instance in a different region
- **C. Create a failover replica instance in the same region, but in a different zone**
- D. Create a read replica instance in a different region

#### Answer: C

Explanation:

Explanation

<https://cloud.google.com/sql/docs/mysql/high-availability>

### NEW QUESTION # 119

You want to optimize the performance of an accurate, real-time, weather-charting application.

The data comes from 50,000 sensors sending 10 readings a second, in the format of a timestamp and sensor reading. Where should you store the data?

- **A. Google Cloud Bigtable**
- B. Google BigQuery
- C. Google Cloud Storage
- D. Google Cloud SQL

#### Answer: A

Explanation:

Google Cloud Bigtable is a scalable, fully-managed NoSQL wide-column database that is suitable for both real-time access and analytics workloads.

Good for:

Low-latency read/write access



High-throughput analytics



Native time series support

Common workloads:

IoT, finance, adtech

Personalization, recommendations

Monitoring

Geospatial datasets

Graphs

References: <https://cloud.google.com/storage-options/>

## NEW QUESTION # 120

You need to migrate Hadoop jobs for your company's Data Science team without modifying the underlying infrastructure. You want to minimize costs and infrastructure management effort. What should you do?

- A. Create a Dataproc cluster using spot worker instances.
- B. Create a Dataproc cluster using standard worker instances.
- C. Manually deploy a Hadoop cluster on Compute Engine using standard instances.
- D. Manually deploy a Hadoop cluster on Compute Engine using preemptible instances.

**Answer: A**

Explanation:

Reference: <https://cloud.google.com/architecture/hadoop/hadoop-gcp-migration-jobs>

## NEW QUESTION # 121

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