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With the development of artificial intelligence, we have encountered more challenges on development of the Professional-Cloud-Architect exam materials. Only by improving our own soft power can we ensure we are not eliminated by the market. Select our Professional-Cloud-Architect study questions to improve your work efficiency. As long as you study with our Professional-Cloud-Architect training guide, then you will get the most related and specialized information on the subject to help you solve the questions on your daily work.

The benefits of becoming a certified Professional-Cloud-Architect are numerous. Firstly, it demonstrates a high level of expertise in cloud architecture and GCP, which can enhance one's career prospects and earning potential. Secondly, it can help organizations identify professionals with the necessary skills to design and manage their cloud solutions. Lastly, it provides access to a community of certified professionals and resources to stay up-to-date with the latest developments in GCP.

The Google Professional-Cloud-Architect exam consists of multiple-choice and multiple-select questions that cover a wide range of topics, including cloud computing architecture, infrastructure design, data storage and management, security, compliance, and pricing. To pass the exam, candidates must demonstrate a deep understanding of these topics and be able to apply their knowledge to real-world scenarios. Successful completion of the exam not only demonstrates the candidate's proficiency in designing and implementing cloud solutions on Google Cloud, but also enhances their credibility as a cloud architect and opens up new career opportunities.

>> Professional-Cloud-Architect Reliable Test Question <<

100% Pass 2026 Accurate Google Professional-Cloud-Architect: Google Certified Professional - Cloud Architect (GCP) Reliable Test Question

In fact, passing Professional-Cloud-Architect certification exam is just a piece of cake! But in realistic society, some candidates always say that this is difficult to accomplish. Therefore, Professional-Cloud-Architect certification has become a luxury that some candidates aspire to. When the some candidates through how many years attempted to achieve a goal to get Professional-Cloud-Architect Certification, had still not seen success hope, candidate thought always depth is having doubts unavoidably bog: can I get Professional-Cloud-Architect certification? When can I get Professional-Cloud-Architect certification? In this a succession of question behind, is following close on is the suspicion and lax.

Career Benefits

The Google Professional Cloud Architect certification demonstrates the ability of the specialists to design, develop, and manage robust, scalable, secure, highly available, and dynamic solutions to meet the business objectives. Earning this certificate allows the successful candidates to apply for Cloud architect jobs in a variety of companies all over the world. Some of the titles that these individuals can consider include a Cloud Infrastructure Engineer, a Cloud Operations Engineer, a Google Cloud Platform Data Architect, a Google Cloud Platform Solutions Architect, a Google Cloud Senior Analyst, and a Google Cloud Platform Data Warehouse Architect, among others. Another advantage associated with this certification is that it significantly boosts your earning

potential. In 2020, this Google qualification was named the highest paying IT certificate. The average salary that you can count on holding it is \$139,529 per annum.

Google Certified Professional - Cloud Architect (GCP) Sample Questions (Q142-Q147):

NEW QUESTION # 142

Case Study: 4 - Dress4Win case study

Company Overview

Dress4win is a web-based company that helps their users organize and manage their personal wardrobe using a website and mobile application. The company also cultivates an active social network that connects their users with designers and retailers. They monetize their services through advertising, e-commerce, referrals, and a freemium app model.

Company Background

Dress4win's application has grown from a few servers in the founder's garage to several hundred servers and appliances in a colocated data center. However, the capacity of their infrastructure is now insufficient for the application's rapid growth. Because of this growth and the company's desire to innovate faster, Dress4win is committing to a full migration to a public cloud.

Solution Concept

For the first phase of their migration to the cloud, Dress4win is considering moving their development and test environments. They are also considering building a disaster recovery site, because their current infrastructure is at a single location. They are not sure which components of their architecture they can migrate as is and which components they need to change before migrating them.

Existing Technical Environment

The Dress4win application is served out of a single data center location.

Databases:

MySQL - user data, inventory, static data

Redis - metadata, social graph, caching

Application servers:

Tomcat - Java micro-services

Nginx - static content

Apache Beam - Batch processing

Storage appliances:

iSCSI for VM hosts

Fiber channel SAN - MySQL databases

NAS - image storage, logs, backups

Apache Hadoop/Spark servers:

Data analysis

Real-time trending calculations

MQ servers:

Messaging

Social notifications

Events

Miscellaneous servers:

Jenkins, monitoring, bastion hosts, security scanners

Business Requirements

Build a reliable and reproducible environment with scaled parity of production. Improve security by defining and adhering to a set of security and Identity and Access Management (IAM) best practices for cloud.

Improve business agility and speed of innovation through rapid provisioning of new resources.

Analyze and optimize architecture for performance in the cloud. Migrate fully to the cloud if all other requirements are met.

Technical Requirements

Evaluate and choose an automation framework for provisioning resources in cloud. Support failover of the production environment to cloud during an emergency. Identify production services that can migrate to cloud to save capacity.

Use managed services whenever possible.

Encrypt data on the wire and at rest.

Support multiple VPN connections between the production data center and cloud environment.

CEO Statement

Our investors are concerned about our ability to scale and contain costs with our current infrastructure. They are also concerned that

a new competitor could use a public cloud platform to offset their up-front investment and freeing them to focus on developing better features.

CTO Statement

We have invested heavily in the current infrastructure, but much of the equipment is approaching the end of its useful life. We are consistently waiting weeks for new gear to be racked before we can start new projects. Our traffic patterns are highest in the mornings and weekend evenings; during other times, 80% of our capacity is sitting idle.

CFO Statement

Our capital expenditure is now exceeding our quarterly projections. Migrating to the cloud will likely cause an initial increase in spending, but we expect to fully transition before our next hardware refresh cycle. Our total cost of ownership (TCO) analysis over the next 5 years puts a cloud strategy between 30 to 50% lower than our current model.

For this question, refer to the Dress4Win case study.

Dress4Win has configured a new uptime check with Google Stackdriver for several of their legacy services. The Stackdriver dashboard is not reporting the services as healthy. What should they do?

- A. Configure their load balancer to pass through the User-Agent HTTP header when the value matches GoogleStackdriverMonitoring-UptimeChecks (<https://cloud.google.com/monitoring>)
- B. Install the Stackdriver agent on all of the legacy web servers.
- **C. In the Cloud Platform Console download the list of the uptime servers' IP addresses and create an inbound firewall rule**
- D. Configure their legacy web servers to allow requests that contain user-Agent HTTP header when the value matches GoogleStackdriverMonitoring-- UptimeChecks (<https://cloud.google.com/monitoring>)

Answer: C

NEW QUESTION # 143

Your architecture calls for the centralized collection of all admin activity and VM system logs within your project.

How should you collect these logs from both VMs and services?

- A. All admin and VM system logs are automatically collected by Stackdriver.
- B. Launch a custom syslogd compute instance and configure your GCP project and VMs to forward all logs to it.
- **C. Stackdriver automatically collects admin activity logs for most services. The Stackdriver Logging agent must be installed on each instance to collect system logs.**
- D. Install the Stackdriver Logging agent on a single compute instance and let it collect all audit and access logs for your environment.

Answer: C

Explanation:

<https://cloud.google.com/logging/docs/agent/default-logs>

NEW QUESTION # 144

For this question, refer to the TerramEarth case study. You need to implement a reliable, scalable GCP solution for the data warehouse for your company, TerramEarth.

Considering the TerramEarth business and technical requirements, what should you do?

- A. Replace the existing data warehouse with a Compute Engine instance with 96 CPUs. Add an additional Compute Engine preemptible instance with 32 CPUs.
- B. Replace the existing data warehouse with BigQuery. Use table partitioning.
- C. Replace the existing data warehouse with a Compute Engine instance with 96 CPUs.
- **D. Replace the existing data warehouse with BigQuery. Use federated data sources.**

Answer: D

NEW QUESTION # 145

For this question, refer to the Dress4Win case study. You want to ensure that your on-premises architecture meets business requirements before you migrate your solution.

What change in the on-premises architecture should you make?

- A. Containerize the micro services and host them in Google Kubernetes Engine.

- B. Downgrade MySQL to v5.7, which is supported by Cloud SQL for MySQL.
- C. Resize compute resources to match predefined Compute Engine machine types.
- D. Replace RabbitMQ with Google Pub/Sub.

Answer: C

Explanation:

Topic 6, TerramEarth Case 2

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.

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 and Windows-based systems that reside in a single U.S. west coast based data center. These systems gzip CSV files from the field and upload via FTP, 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.

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.

Technical Requirements

Expand beyond a single datacenter to decrease latency to the American Midwest and east coast.

Create a backup strategy.

Increase security of data transfer from equipment to the datacenter.

Improve data in the data warehouse.

Use customer and equipment data to anticipate customer needs.

Application 1: Data ingest

A custom Python application reads uploaded datafiles from a single server, writes to the data warehouse.

Compute:

Windows Server 2008 R2

- 16 CPUs

- 128 GB of RAM

- 10 TB local HDD storage

Application 2: Reporting

An off the shelf application that business analysts use to run a daily report to see what equipment needs repair. Only 2 analysts of a team of 10 (5 west coast, 5 east coast) can connect to the reporting application at a time.

Compute:

Off the shelf application. License tied to number of physical CPUs

- Windows Server 2008 R2

- 16 CPUs

- 32 GB of RAM

- 500 GB HDD

Data warehouse:

A single PostgreSQL server

- RedHat Linux

- 64 CPUs

- 128 GB of RAM

- 4x 6TB HDD in RAID 0

Executive 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. My goals are to build our skills while addressing immediate market needs through incremental innovations.

NEW QUESTION # 146

You are working with a data warehousing team that performs data analysis. The team needs to process data from external partners, but the data contains personally identifiable information (PII). You need to process and store the data without storing any of the PII data. What should you do?

- A. Create a Dataflow pipeline to retrieve the data from the external sources. As part of the pipeline store all non-PII data in BigQuery and store all PII data in a Cloud Storage bucket that has a retention policy set.
- B. Create a Dataflow pipeline to retrieve the data from the external sources. As part of the pipeline use the Cloud Data Loss Prevention (Cloud DLP) API to remove any PII data Store the result in BigQuery
- C. Ask the external partners to upload an data on Cloud Storage Configure Bucket Lock for the bucket Create a Dataflow pipeline to read the data from the bucket As part of the pipeline, use the Cloud Data Loss Prevention (Cloud DIP) API to remove any PII data Store the result in BigQuery
- D. Ask the external partners to import ail data in your BigQuery dataset Create a dataflow pipeline to copy the data into a new table As part of the Dataflow bucket skip all data in columns that have PII data

Answer: A

Explanation:

Create a Dataflow pipeline to retrieve the data from the external sources, he did not specify the way he is going to create it, it might be a pub/sub or external table or whatever.

NEW QUESTION # 147

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