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The Google Certified Professional - Cloud Architect (GCP) (Professional-Cloud-Architect) certification helps you advance your career and even secure a pay raise. Today, the Google certification is an excellent choice for career growth, and to obtain it, you need to pass the Professional-Cloud-Architect exam which is a time-based exam. To prepare for the Professional-Cloud-Architect Exam successfully in a short time, it's essential to prepare with real Professional-Cloud-Architect exam questions. If you don't prepare with Professional-Cloud-Architect updated dumps, you will fail and lose time and money.

>> **Test Professional-Cloud-Architect Questions** <<

New Professional-Cloud-Architect Test Camp - Actual Professional-Cloud-Architect Test

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Prerequisites

There are no official requirements that the candidates for the Google Professional Cloud Architect certification need to satisfy. However, it is recommended that the applicants possess 3 or more years of industry experience, including at least 1 year of

experience with designing and managing solutions using Google Cloud Platform. Their solid knowledge of the topics covered in the qualifying exam is also required.

Google Certified Professional - Cloud Architect (GCP) Sample Questions (Q86-Q91):

NEW QUESTION # 86

For this question, refer to the Dress4Win case study. You are responsible for the security of data stored in Cloud Storage for your company, Dress4Win. You have already created a set of Google Groups and assigned the appropriate users to those groups. You should use Google best practices and implement the simplest design to meet the requirements.

Considering Dress4Win's business and technical requirements, what should you do?

- A. Assign custom IAM roles to the Google Groups you created in order to enforce security requirements.
Enable default storage encryption before storing files in Cloud Storage.
- B. Assign predefined IAM roles to the Google Groups you created in order to enforce security requirements.
Utilize Google's default encryption at rest when storing files in Cloud Storage.
- C. Assign custom IAM roles to the Google Groups you created in order to enforce security requirements.
Encrypt data with a customer-supplied encryption key when storing files in Cloud Storage.
- D. **Assign predefined IAM roles to the Google Groups you created in order to enforce security requirements. Ensure that the default Cloud KMS key is set before storing files in Cloud Storage.**

Answer: D

Explanation:

Explanation

<https://cloud.google.com/iam/docs/understanding-service-accounts>

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 # 87

You have a Python web application with many dependencies that requires 0.1 CPU cores and 128 MB of memory to operate in production. You want to monitor and maximize machine utilization. You also to reliably deploy new versions of the application. Which set of steps should you take?

- A. Perform the following:
 1. Create a Kubernetes Engine cluster with n1-standard-1 type machines.
 2. Build a Docker image from the production branch with all of the dependencies, and tag it with the version number.
 3. Create a Kubernetes Deployment with the imagePullPolicy set to "IfNotPresent" in the staging namespace, and then promote it to the production namespace after testing.
- B. Perform the following:
 1. Create a Kubernetes Engine cluster with n1-standard-4 type machines.
 2. Build a Docker image from the master branch with all of the dependencies, and tag it with "latest".
 3. Create a Kubernetes Deployment in the default namespace with the imagePullPolicy set to "Always".

Restart the pods to automatically deploy new production releases.
- C. Perform the following:
 1. Create a managed instance group with f1-micro type machines.
 2. Use a startup script to clone the repository, check out the production branch, install the dependencies, and start the Python app.
 3. Restart the instances to automatically deploy new production releases.
- D. Perform the following:
 1. Create a managed instance group with n1-standard-1 type machines.
 2. Build a Compute Engine image from the production branch that contains all of the dependencies and automatically starts the Python app.
 3. Rebuild the Compute Engine image, and update the instance template to deploy new production releases.

Answer: D

NEW QUESTION # 88

For this question, refer to the Dress4Win case study. You are responsible for the security of data stored in Cloud Storage for your company, Dress4Win. You have already created a set of Google Groups and assigned the appropriate users to those groups. You should use Google best practices and implement the simplest design to meet the requirements.

Considering Dress4Win's business and technical requirements, what should you do?

- A. Assign custom IAM roles to the Google Groups you created in order to enforce security requirements.

- Enable default storage encryption before storing files in Cloud Storage.
- B. Assign predefined IAM roles to the Google Groups you created in order to enforce security requirements.
Utilize Google's default encryption at rest when storing files in Cloud Storage.
- C. Assign custom IAM roles to the Google Groups you created in order to enforce security requirements.
Encrypt data with a customer-supplied encryption key when storing files in Cloud Storage.
- D. Assign predefined IAM roles to the Google Groups you created in order to enforce security requirements.
Ensure that the default Cloud KMS key is set before storing files in Cloud Storage.

Answer: B

NEW QUESTION # 89

Your company is forecasting a sharp increase in the number and size of Apache Spark and Hadoop jobs being run on your local datacenter. You want to utilize the cloud to help you scale this upcoming demand with the least amount of operations work and code change. Which product should you use?

- A. Google Container Engine
- B. Google Cloud Dataproc
- C. Google Cloud Dataflow
- D. Google Compute Engine

Answer: B

Explanation:

Google Cloud Dataproc is a fast, easy-to-use, low-cost and fully managed service that lets you run the Apache Spark and Apache Hadoop ecosystem on Google Cloud Platform. Cloud Dataproc provisions big or small clusters rapidly, supports many popular job types, and is integrated with other Google Cloud Platform services, such as Google Cloud Storage and Stackdriver Logging, thus helping you reduce TCO.

References: <https://cloud.google.com/dataproc/docs/resources/faq>

NEW QUESTION # 90

You are designing an application for use only during business hours. For the minimum viable product release, you'd like to use a managed product that automatically "scales to zero" so you don't incur costs when there is no activity.

Which primary compute resource should you choose?

- A. Compute Engine
- B. AppEngine flexible environment
- C. Kubernetes Engine
- D. Cloud Functions

Answer: A

NEW QUESTION # 91

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IT certification candidates are mostly working people. Therefore, most of the candidates did not have so much time to prepare for the exam. But they need a lot of time to participate in the certification exam training courses. This will not only lead to a waste of training costs, more importantly, the candidates wasted valuable time. Here, I recommend a good learning materials website. Some of the test data on the site is free, but more importantly is that it provides a realistic simulation exercises that can help you to pass the Google Professional-Cloud-Architect Exam. Pass4sureCert Google Professional-Cloud-Architect exam materials can not only help you save a lot of time, but also allows you to pass the exam successfully. So you have no reason not to choose it.

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