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Pass Guaranteed Professional-Cloud-Architect - Google Certified Professional - Cloud Architect (GCP) Updated Braindumps Pdf

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Google Professional-Cloud-Architect (Google Certified Professional - Cloud Architect (GCP)) exam is a certification exam designed for individuals who are interested in demonstrating their knowledge and skills in designing, developing, and managing solutions on the Google Cloud Platform. Professional-Cloud-Architect exam aims to validate the candidate's ability to design, develop, and manage secure, scalable, and highly available cloud architectures that meet business and technical requirements.

To become a Google Certified Professional - Cloud Architect, candidates must pass a rigorous exam that covers a wide range of topics, including cloud architecture, networking, security, data storage, and analysis, as well as GCP services and technologies such as Compute Engine, App Engine, Kubernetes, and BigQuery. Professional-Cloud-Architect Exam consists of multiple-choice and multiple-select questions and lasts for two hours.

Target Audience

The certification is aimed at those Cloud Architects who are able to design, manage, and develop robust, scalable, secure, dynamic, and highly available solutions to drive their organizational business objectives. These specialists can perform the following tasks:

- design, plan, and manage Cloud solution architectures;
- evaluate and optimize the business and technical processes;
- manage the implementation of Cloud architecture;
- design for compliance and security;
- ensure the reliability of solutions and operations.

Google Certified Professional - Cloud Architect (GCP) Sample Questions (Q174-Q179):

NEW QUESTION # 174
Your company wants to track whether someone is present in a meeting room reserved for a scheduled meeting. There are 1000 meeting rooms across 5 offices on 3 continents. Each room is equipped with a motion sensor that reports its status every second. The data from the motion detector includes only a sensor ID and several different discrete items of information. Analysts will use this data, together with information about account owners and office locations. Which database type should you use?

- A. Flat file
- B. Relational
- C. Blobstore
- D. NoSQL

Answer: D

Explanation:
Relational databases were not designed to cope with the scale and agility challenges that face modern applications, nor were they built to take advantage of the commodity storage and processing power available today.
NoSQL fits well for:
Developers are working with applications that create massive volumes of new, rapidly changing

data types - structured, semi-structured, unstructured and polymorphic data.
Incorrect Answers:
D: The Blobstore API allows your application to serve data objects, called blobs, that are much larger than the size allowed for objects in the Datastore service. Blobs are useful for serving large files, such as video or image files, and for allowing users to upload large data files.
References: https://www.mongodb.com/nosql-explained

NEW QUESTION # 175
You have found an error in your App Engine application caused by missing Cloud Datastore indexes. You have created a YAML file with the required indexes and want to deploy these new indexes to Cloud Datastore.
What should you do?

- A. In the GCP Console, use Datastore Admin to delete the current indexes and upload the new configuration file
- B. Upload the configuration file the App Engine's default Cloud Storage bucket, and have App Engine detect the new indexes
- C. Point gcloud datastore create-indexes to your configuration file
- D. Create an HTTP request to the built-in python module to send the index configuration file to your application

Answer: A

NEW QUESTION # 176
You want to automate the creation of a managed instance group and a startup script to install the OS package dependencies. You want to minimize the startup time for VMs in the instance group.
What should you do?

- A. Use Terraform to create the managed instance group and a startup script to install the OS package dependencies.
- B. Create a custom VM image with all OS package dependencies. Use Deployment Manager to create the managed instance group with the VM image.

- C. Use Deployment Manager to create the managed instance group and Ansible to install the OS package dependencies.
- D. Use Puppet to create the managed instance group and install the OS package dependencies.

Answer: B

Explanation:
Explanation
"Custom images are more deterministic and start more quickly than instances with startup scripts. However, startup scripts are more flexible and let you update the apps and settings in your instances more easily."
https://cloud.google.com/compute/docs/instance-templates/create-instance-templates#using_custom_or_public_i

NEW QUESTION # 177
Your customer is receiving reports that their recently updated Google App Engine application is taking approximately 30 seconds to load for some of their users. This behavior was not reported before the update.
What strategy should you take?

- A. Work with your ISP to diagnose the problem
- B. Roll back to an earlier known good release, then push the release again at a quieter period to investigate. Then use Stackdriver Trace and Logging to diagnose the problem
- C. Roll back to an earlier known good release initially, then use Stackdriver Trace and Logging to diagnose the problem in a development/test/staging environment
- D. Open a support ticket to ask for network capture and flow data to diagnose the problem, then roll back your application

Answer: C

Explanation:
Explanation/Reference:
Explanation:
Stackdriver Logging allows you to store, search, analyze, monitor, and alert on log data and events from Google Cloud Platform and Amazon Web Services (AWS). Our API also allows ingestion of any custom log data from any source. Stackdriver Logging is a fully managed service that performs at scale and can ingest application and system log data from thousands of VMs. Even better, you can analyze all that log data in real time.
References: https://cloud.google.com/logging/

NEW QUESTION # 178
You analyzed TerramEarth's business requirement to reduce downtime, and found that they can achieve a majority of time saving by reducing customer's wait time for parts. You decided to focus on reduction of the
3 weeks aggregate reporting time.
Which modifications to the company's processes should you recommend?

- A. Increase fleet cellular connectivity to 80%, migrate from FTP to streaming transport, and develop machine learning analysis of metrics
- B. Migrate from FTP to streaming transport, migrate from CSV to binary format, and develop machine learning analysis of metrics
- C. Migrate from FTP to SFTP transport, develop machine learning analysis of metrics, and increase dealer local inventory by a fixed factor
- D. Migrate from CSV to binary format, migrate from FTP to SFTP transport, and develop machine learning analysis of metrics

Answer: A

Explanation:
The Avro binary format is the preferred format for loading compressed data. Avro data is faster to load because the data can be read in parallel, even when the data blocks are compressed.
Cloud Storage supports streaming transfers with the gsutil tool or boto library, based on HTTP chunked transfer encoding.
Streaming data lets you stream data to and from your Cloud Storage account as soon as it becomes available without requiring that the data be first saved to a separate file. Streaming transfers are useful if you have a process that generates data and you do not want to buffer it locally before uploading it, or if you want to send the result from a computational pipeline directly into Cloud Storage.
Reference: https://cloud.google.com/storage/docs/streaming

https://cloud.google.com/bigquery/docs/loading-data

NEW QUESTION # 179
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