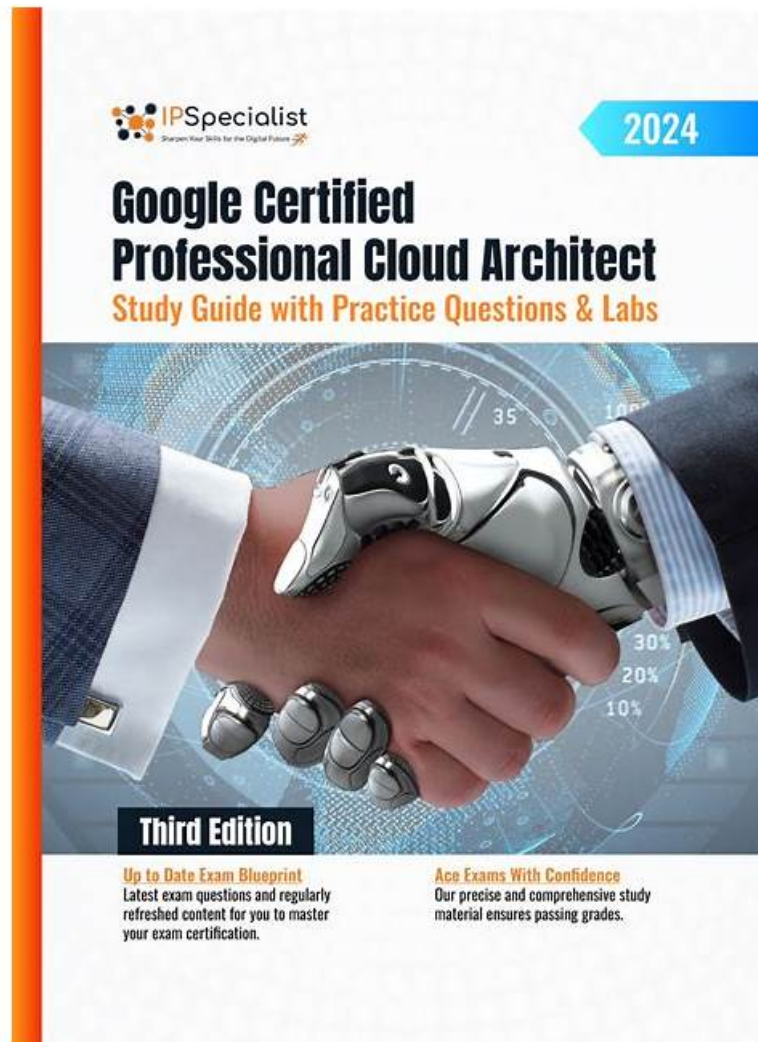# Only The Validest New Professional-Cloud-Architect Study Materials Can Provide The Promise of Passing Google Certified Professional - Cloud Architect (GCP)

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Google Certified Professional - Cloud Architect (GCP) Sample Questions (Q132-Q137):

NEW QUESTION # 132
Your company wants to start using Google Cloud resources but wants to retain their on-premises Active Directory domain controller for identity management. What should you do?

- A. Use the Admin Directory API to authenticate against the Active Directory domain controller.
- B. Use Compute Engine to create an Active Directory (AD) domain controller that is a replica of the onpremises AD domain controller using Google Cloud Directory Sync.
- C. Use Cloud Identity-Aware Proxy configured to use the on-premises Active Directory domain controller as an identity provider.
- D. Use Google Cloud Directory Sync to synchronize Active Directory usernames with cloud identities and configure SAML SSO.

Answer: D

Explanation:
https://cloud.google.com/solutions/federating-gcp-with-active-directory-introduction#implementing_federation

NEW QUESTION # 133
You want to enable your running Google Container Engine cluster to scale as demand for your application changes.
What should you do?

- A. Update the existing Container Engine cluster with the following command:
  gcloud alpha container clusters update mycluster --enable-autoscaling --min-nodes=1 --max-nodes=10
- B. Create a new Container Engine cluster with the following command:
  gcloud alpha container clusters create mycluster --enable-autocaling --min-nodes=1 --max-nodes=10 and redeploy your application.
- C. Add additional nodes to your Container Engine cluster using the following command:
  gcloud container clusters resize CLUSTER_NAME --size 10
- D. Add a tag to the instances in the cluster with the following command:
  gcloud compute instances add-tags INSTANCE --tags enable --autoscaling max-nodes-10

Answer: D

Explanation:
Explanation
https://cloud.google.com/kubernetes-engine/docs/concepts/cluster-autoscaler Cluster autoscaling
--enable-autoscaling
Enables autoscaling for a node pool.
Enables autoscaling in the node pool specified by --node-pool or the default node pool if --node-pool is not provided.
Where:
--max-nodes=MAX_NODES
Maximum number of nodes in the node pool.

Maximum number of nodes to which the node pool specified by --node-pool (or default node pool if unspecified) can scale.

NEW QUESTION # 134
For this question, refer to the TerramEarth case study
You analyzed TerramEarth's business requirement to reduce downtime, and found that they can achieve a majority of time saving by reducing customers' 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. Migrate from FTP to streaming transport, migrate from CSV to binary format, and develop machine learning analysis of metrics.
- B. Migrate from CSV to binary format, migrate from FTP to SFTP transport, and develop machine learning analysis of metrics.
- C. Increase fleet cellular connectivity to 80%, migrate from FTP to streaming transport, and develop machine learning analysis of metrics.
- D. Migrate from FTP to SFTP transport, develop machine learning analysis of metrics, and increase dealer local inventory by a fixed factor.

Answer: C

Explanation:
Reference:
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.
References: https://cloud.google.com/storage/docs/streaming
https://cloud.google.com/bigquery/docs/loading-data

NEW QUESTION # 135
Your web application uses Google Kubernetes Engine to manage several workloads. One workload
requires a consistent set of hostnames even after pod scaling and relaunches.
Which feature of Kubernetes should you use to accomplish this?

- A. Persistent Volumes
- B. Container environment variables
- C. Role-based access control
- D. StatefulSets

Answer: A

NEW QUESTION # 136
You are managing several internal applications that are deployed on Compute Engine. Business users inform you that an application has become very slow over the past few days. You want to find the underlying cause in order to solve the problem. What should you do first?

- A. Change the Compute Engine Instances behind the application to a machine type with more CPU and memory.
- B. Restore a backup of the application database from a time before the application became slow.
- C. Inspect the logs and metrics from the instances in Cloud Logging and Cloud Monitoring.
- D. Deploy the applications on a managed instance group with autoscaling enabled. Add a load balancer in front of the managed instance group, and have the users connect to the IP of the load balancer.

Answer: C

Explanation:
Explanation
When an application becomes slow, the first step you should take is to gather information about the underlying cause of the problem.

One way to do this is by inspecting the logs and metrics from the instances where the application is deployed. Google Cloud Platform (GCP) provides tools such as Cloud Logging and Cloud Monitoring that can help you to collect and analyze this information. By reviewing the logs and metrics from the instances, you may be able to identify issues such as resource shortages (e.g. CPU, memory, or disk), network problems, or application errors that are causing the performance issues. Once you have identified the underlying cause of the problem, you can take steps to resolve it.

NEW QUESTION # 137

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