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Career Opportunity

Those individuals who have the Google Professional Cloud Developer certification can take up the job titles, such as Software Engineers, Solutions Architects, Operations Analysts, Web Application Developers, Senior Software Engineers, Information Security Managers, or Data Engineers. The average salary for these positions is \$87,000 per annum.

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Timely Updated Google Professional-Cloud-Developer Dumps

It is acknowledged that there are numerous Professional-Cloud-Developer learning questions for candidates for the exam, however, it is impossible for you to summarize all of the key points in so many Professional-Cloud-Developer study materials by yourself. But since you have clicked into this website for Professional-Cloud-Developer Practice Guide you need not to worry about that at all because our company is especially here for you to solve this problem. Trust us and you will get what you want!

Google Professional-Cloud-Developer Exam is intended for developers with at least three years of experience in software development and at least one year of experience working with Google Cloud Platform. Professional-Cloud-Developer exam is designed to test the candidate's ability to design, develop, deploy, and maintain cloud-based applications using Google Cloud Platform services. Google Certified Professional - Cloud Developer certification exam consists of multiple-choice questions and requires a passing score of 70% or higher.

Google Certified Professional - Cloud Developer Sample Questions (Q116-Q121):

NEW QUESTION # 116

You need to deploy resources from your laptop to Google Cloud using Terraform. Resources in your Google Cloud environment must be created using a service account. Your Cloud Identity has the roles/iam.serviceAccountTokenCreator Identity and Access Management (IAM) role and the necessary permissions to deploy the resources using Terraform. You want to set up your development environment to deploy the desired resources following Google-recommended best practices. What should you do?

- A. 1) Store the service account's key file in JSON format in Hashicorp Vault.
2) Integrate Terraform with Vault to retrieve the key file dynamically, and authenticate to Vault using a short-lived access token.
- B. 1) Run the following command from a command line: gcloud auth application-default login.
2) In the browser window that opens, authenticate using your personal credentials.
- C. 1) Download the service account's key file in JSON format, and store it locally on your laptop.
2) Set the GOOGLE_APPLICATION_CREDENTIALS environment variable to the path of your downloaded key file.
- D. 1) Run the following command from a command line: gcloud config set auth/impersonate_service_account service-account-name@project.iam.gserviceaccount.com
2) Set the GOOGLE_OAUTH_ACCESS_TOKEN environment variable to the value that is returned by the gcloud auth print-access-token command.

Answer: A

Explanation:

<https://cloud.google.com/iam/docs/best-practices-for-managing-service-account-keys#file-system> Whenever possible, avoid storing service account keys on a file system. If you can't avoid storing keys on disk, make sure to restrict access to the key file, configure file access auditing, and encrypt the underlying disk.

<https://cloud.google.com/iam/docs/best-practices-for-managing-service-account-keys#software-keystore> In situations where using a hardware-based key store isn't viable, use a software-based key store to manage service account keys. Similar to hardware-based options, a software-based key store lets users or applications use service account keys without revealing the private key. Software-based key store solutions can help you control key access in a fine-grained manner and can also ensure that each key access is logged.

NEW QUESTION # 117

Your team has created an application that is hosted on a Google Kubernetes Engine (GKE) cluster. You need to connect the application to a legacy REST service that is deployed in two GKE clusters in two different regions. You want to connect your application to the legacy service in a way that is resilient and requires the fewest number of steps. You also want to be able to run probe-based health checks on the legacy service on a separate port. How should you set up the connection? (Choose two.)

- A. Set up a proxyless Traffic Director configuration for the application.
- B. Configure the legacy service's firewall to allow health checks originating from the application.
- C. Use Traffic Director with a sidecar proxy to connect the application to the service.
- D. Configure the legacy service's firewall to allow health checks originating from the Traffic Director control plane.
- E. Configure the legacy service's firewall to allow health checks originating from the sidecar proxy.

Answer: C,E

Explanation:

For connecting a GKE-hosted application to a legacy REST service across two regions, using Traffic Director with a sidecar proxy and configuring the legacy service's firewall for health checks offers a resilient and efficient solution.

<https://thenewstack.io/google-traffic-director-and-the-l7-internal-load-balancer-intermingles-cloud-native-and-legacy-workloads/>

NEW QUESTION # 118

Your company's development teams want to use various open source operating systems in their Docker builds. When images are created in published containers in your company's environment, you need to scan them for Common Vulnerabilities and Exposures (CVEs). The scanning process must not impact software development agility. You want to use managed services where possible. What should you do?

- A. Disallow the use of non-commercially supported base images in your development environment.
- **B. Enable the Vulnerability scanning setting in the Container Registry.**
- C. Create a Cloud Function that is triggered on a code check-in and scan the code for CVEs.
- D. Use Cloud Monitoring to review the output of Cloud Build to determine whether a vulnerable version has been used.

Answer: B

Explanation:

<https://cloud.google.com/container-analysis/docs/os-overview>

NEW QUESTION # 119

You need to migrate a standalone Java application running in an on-premises Linux virtual machine (VM) to Google Cloud in a cost-effective manner. You decide not to take the lift-and-shift approach, and instead you plan to modernize the application by converting it to a container. How should you accomplish this task?

- A. Use Migrate for Anthos to migrate the VM to your Google Kubernetes Engine (GKE) cluster as a container.
- B. Export the VM as a raw disk and import it as an image. Create a Compute Engine instance from the Imported image.
- C. Use Migrate for Compute Engine to migrate the VM to a Compute Engine instance, and use Cloud Build to convert it to a container.
- **D. Use Jib to build a Docker image from your source code, and upload it to Artifact Registry. Deploy the application in a GKE cluster, and test the application.**

Answer: D

Explanation:

<https://cloud.google.com/blog/products/application-development/introducing-jib-build-java-docker-images-better>

NEW QUESTION # 120

You are designing a resource-sharing policy for applications used by different teams in a Google Kubernetes Engine cluster. You need to ensure that all applications can access the resources needed to run. What should you do? (Choose two.)

- **A. Create a LimitRange to specify the default compute resource requirements for each namespace.**
- B. Use the Anthos Policy Controller to enforce label annotations on all namespaces. Use taints and tolerations to allow resource sharing for namespaces.
- C. Create a Kubernetes service account (KSA) for each application, and assign each KSA to the namespace.
- **D. Create a namespace for each team, and attach resource quotas to each namespace.**
- E. Specify the resource limits and requests in the object specifications.

Answer: A,D

Explanation:

<https://kubernetes.io/docs/concepts/policy/resource-quotas/>

<https://kubernetes.io/docs/concepts/policy/limit-range/>

<https://cloud.google.com/blog/products/containers-kubernetes/kubernetes-best-practices-resource-requests-and-limits>

NEW QUESTION # 121

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