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Google Professional-Cloud-Security-Engineer Certification is a prestigious certification offered by Google Cloud, which is designed to validate the skills of IT professionals in securing Google Cloud Platform (GCP) solutions. Google Cloud Certified - Professional Cloud Security Engineer Exam certification is aimed at professionals who want to demonstrate their expertise in cloud security and protect cloud-based infrastructure from potential attacks.

Google Professional-Cloud-Security-Engineer Certification Exam (Google Cloud Certified - Professional Cloud Security Engineer) is a highly recognized credential that validates an individual's ability to design, develop, and implement robust security solutions for Google Cloud Platform (GCP). Google Cloud Certified - Professional Cloud Security Engineer Exam certification exams trains the participants in performing security assessments, conducting penetration testing, configuring and deploying security solutions, and managing incident responses on GCP.

>> Professional-Cloud-Security-Engineer Advanced Testing Engine <<

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In today's society, many enterprises require their employees to have a professional Professional-Cloud-Security-Engineer certification. It is true that related skills serve as common tools frequently used all over the world, so we can realize that how important an Professional-Cloud-Security-Engineer certification is, also understand the importance of having a good knowledge of it. The rigorous world force us to develop ourselves, thus we can't let the opportunities slip away. Being more suitable for our customers the Professional-Cloud-Security-Engineer Torrent question compiled by our company can help you improve your competitiveness in job seeking, and Professional-Cloud-Security-Engineer exam training can help you update with times simultaneously.

Google Professional-Cloud-Security-Engineer Certification is an exam designed to test the knowledge and expertise of individuals in the field of cloud security engineering. Professional-Cloud-Security-Engineer exam is intended for professionals who have in-depth knowledge of cloud security technologies and methodologies, and who are looking to become certified by Google Cloud as a

Google Cloud Certified - Professional Cloud Security Engineer Exam Sample Questions (Q136-Q141):

NEW QUESTION # 136

Your team uses a service account to authenticate data transfers from a given Compute Engine virtual machine instance to a specified Cloud Storage bucket. An engineer accidentally deletes the service account, which breaks application functionality. You want to recover the application as quickly as possible without compromising security. What should you do?

- **A. Use the undelete command to recover the deleted service account.**
- B. Temporarily disable authentication on the Cloud Storage bucket.
- C. Create a new service account with the same name as the deleted service account.
- D. Update the permissions of another existing service account and supply those credentials to the applications.

Answer: A

Explanation:

* Objective: Quickly recover a deleted service account used for data transfers.

* Solution: Use the undelete command available in the gcloud command-line tool to recover the service account.

* Steps:

* Step 1: Open the Cloud Shell in the Google Cloud Console.

* Step 2: Run the following command to list the deleted service accounts:

```
gcloud iam service-accounts list --filter="deleted:true"
```

* Step 3: Identify the name and ID of the deleted service account.

* Step 4: Use the undelete command to recover the service account:

```
gcloud iam service-accounts undelete [SERVICE_ACCOUNT_ID]
```

* Step 5: Verify that the service account has been restored and reassign any necessary permissions.

By using the undelete command, you can quickly restore the service account and resume application functionality without compromising security.

References:

* Restoring a Deleted Service Account

* `gcloud iam service-accounts undelete`

NEW QUESTION # 137

A company is backing up application logs to a Cloud Storage bucket shared with both analysts and the administrator. Analysts should only have access to logs that do not contain any personally identifiable information (PII). Log files containing PII should be stored in another bucket that is only accessible by the administrator.

What should you do?

- A. On the bucket shared with both the analysts and the administrator, configure a Cloud Storage Trigger that is only triggered when PII data is uploaded. Use Cloud Functions to capture the trigger and delete such files.
- B. Upload the logs to both the shared bucket and the bucket only accessible by the administrator. Create a job trigger using the Cloud Data Loss Prevention API. Configure the trigger to delete any files from the shared bucket that contain PII.
- **C. Use Cloud Pub/Sub and Cloud Functions to trigger a Data Loss Prevention scan every time a file is uploaded to the shared bucket. If the scan detects PII, have the function move into a Cloud Storage bucket only accessible by the administrator.**
- D. On the bucket shared with both the analysts and the administrator, configure Object Lifecycle Management to delete objects that contain any PII.

Answer: C

Explanation:

To ensure that PII data is separated from non-PII data, using Cloud Pub/Sub and Cloud Functions to trigger a scan by the Data Loss Prevention (DLP) API is an effective approach. This method allows for automated detection and handling of PII.

Steps:

Set Up Cloud Pub/Sub: Configure a Cloud Pub/Sub topic to receive notifications whenever a file is uploaded to the shared Cloud Storage bucket.

Deploy Cloud Functions: Create a Cloud Function that is triggered by the Pub/Sub topic. This function will invoke the DLP API to

scan the uploaded file for PII.

Move Detected PII Files: If the scan detects PII, the Cloud Function will move the file to a secure Cloud Storage bucket accessible only by the administrator.

Set Permissions: Ensure that appropriate permissions are set on the Cloud Storage buckets to restrict access to files containing PII.

Reference:

Google Cloud: Data Loss Prevention

Cloud Functions documentation

NEW QUESTION # 138

Your organization wants to be compliant with the General Data Protection Regulation (GDPR) on Google Cloud. You must implement data residency and operational sovereignty in the EU.

What should you do?

Choose 2 answers

- A. Limit the physical location of a new resource with the Organization Policy Service resource locations constraint."
- B. Limit Google personnel access based on predefined attributes such as their citizenship or geographic location by using Key Access Justifications
- C. Use identity federation to limit access to Google Cloud resources from non-EU entities.
- D. Use Cloud IDS to get east-west and north-south traffic visibility in the EU to monitor intra-VPC and inter-VPC communication.
- E. Use VPC Flow Logs to monitor intra-VPC and inter-VPC traffic in the EU.

Answer: A,B

Explanation:

https://cloud.google.com/architecture/framework/security/data-residency- soverignty/#manage_your_operational_sovereignty To ensure compliance with GDPR and implement data residency and operational sovereignty in the EU, the following steps can be taken:

* Limit Physical Location of Resources: Use the Organization Policy Service to enforce the resource locations constraint. This ensures that all new resources are created within the specified regions (EU in this case).

* Configure Organization Policy: Set up an organization policy that restricts the locations where new resources can be created. This is done through the Google Cloud Console or via the gcloud command-line tool.

Example:

```
gcloud resource-manager org-policies allow constraints/gcp.resourceLocations [europe-west1,europe-west2] --  
organization=YOUR_ORG_ID
```

* Key Access Justifications (KAJ): Use Key Access Justifications to limit Google personnel's access to encryption keys based on attributes like their geographic location or citizenship.

* Set Up KAJ: Implement KAJ policies to ensure that only authorized personnel within the EU can access encryption keys.

References

* Organization Policy Service

* Key Access Justifications

NEW QUESTION # 139

A customer wants to deploy a large number of 3-tier web applications on Compute Engine.

How should the customer ensure authenticated network separation between the different tiers of the application?

- A. Run each tier in its own subnet, and use subnet-based firewall rules.
- B. Run each tier with its own VM tags, and use tag-based firewall rules.
- C. Run each tier in its own Project, and segregate using Project labels.
- D. Run each tier with a different Service Account (SA), and use SA-based firewall rules.

Answer: D

Explanation:

Explanation

"Isolate VMs using service accounts when possible" "even though it is possible to use tags for target filtering in this manner, we recommend that you use service accounts where possible. Target tags are not access-controlled and can be changed by someone with the instanceAdmin role while VMs are in service.

Service accounts are access-controlled, meaning that a specific user must be explicitly authorized to use a service account. There

can only be one service account per instance, whereas there can be multiple tags. Also, service accounts assigned to a VM can only be changed when the VM is stopped." <https://cloud.google.com/solutions/best-practices-vpc-design#isolate-vms-service-accounts>

NEW QUESTION # 140

An employer wants to track how bonus compensations have changed over time to identify employee outliers and correct earning disparities. This task must be performed without exposing the sensitive compensation data for any individual and must be reversible to identify the outlier.

Which Cloud Data Loss Prevention API technique should you use to accomplish this?

- A. CryptoHashConfig
- B. Redaction
- C. CryptoReplaceFxFpeConfig
- D. Generalization

Answer: C

Explanation:

De-identifying sensitive data

Cloud Data Loss Prevention (DLP) can de-identify sensitive data in text content, including text stored in container structures such as tables. De-identification is the process of removing identifying information from data. The API detects sensitive data such as personally identifiable information (PII), and then uses a de-identification transformation to mask, delete, or otherwise obscure the data. For example, de-identification techniques can include any of the following:

Masking sensitive data by partially or fully replacing characters with a symbol, such as an asterisk (*) or hash (#).

Replacing each instance of sensitive data with a token, or surrogate, string.

Encrypting and replacing sensitive data using a randomly generated or pre-determined key.

When you de-identify data using the CryptoReplaceFxFpeConfig or CryptoDeterministicConfig infoType transformations, you can re-identify that data, as long as you have the CryptoKey used to originally de-identify the data.

<https://cloud.google.com/dlp/docs/deidentify-sensitive-data>

NEW QUESTION # 141

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