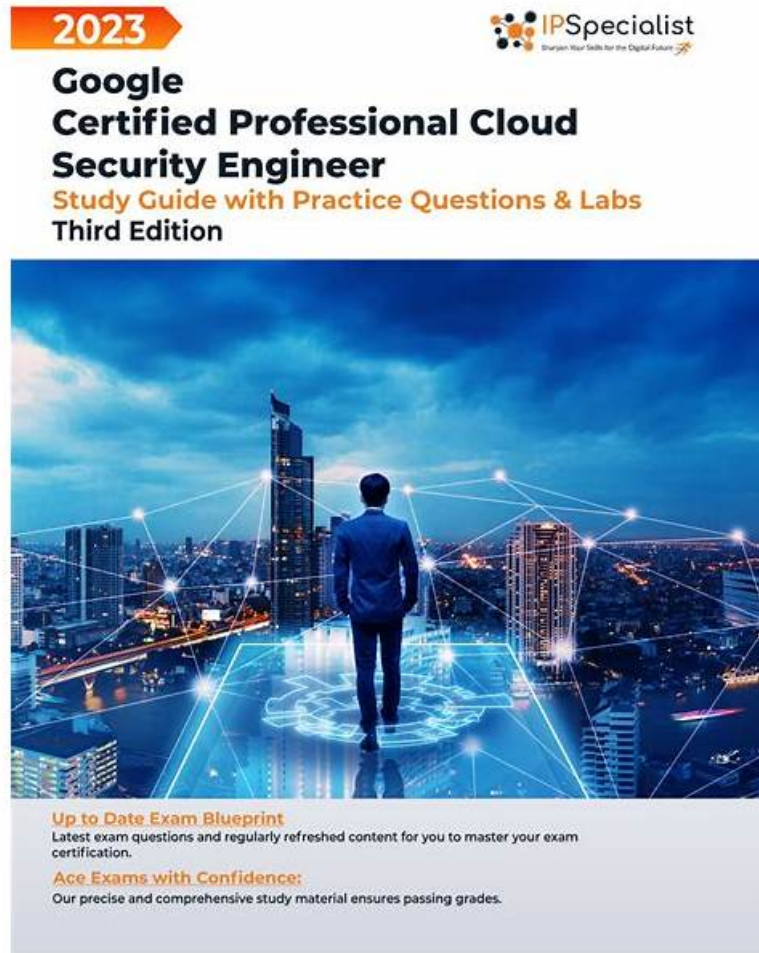


Quiz 2025 Google Professional-Cloud-Security-Engineer: Google Cloud Certified - Professional Cloud Security Engineer Exam–High-quality VCE Dumps



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Google Professional-Cloud-Security-Engineer Certification Exam is a rigorous and comprehensive exam that tests the knowledge and skills of professionals responsible for securing cloud-based applications and infrastructure in the Google Cloud environment. It is a globally recognized certification that can help professionals advance their careers in cloud security and demonstrate their expertise in the field.

Google Cloud Certified - Professional Cloud Security Engineer Exam Sample Questions (Q220-Q225):

NEW QUESTION # 220

Your organization processes sensitive health information. You want to ensure that data is encrypted while in use by the virtual machines (VMs). You must create a policy that is enforced across the entire organization. What should you do?

- **A. Implement an organization policy that ensures all VM resources created across your organization are Confidential VM instances.**
- B. Implement an organization policy that ensures that all VM resources created across your organization use customer-managed encryption keys (CMEK) protection.
- C. No action is necessary because Google encrypts data while it is in use by default.
- D. Implement an organization policy that ensures that all VM resources created across your organization use Cloud External Key Manager (EKM) protection.

Answer: A

Explanation:

To ensure that data is encrypted while in use by the virtual machines (VMs) and enforce this policy across your organization, you should use Confidential VM instances. Here are the steps:

Enable Confidential VM:

Ensure that Confidential VMs are available in your selected regions and enabled for your project.

Set Organization Policy:

Implement an organization policy to enforce the use of Confidential VM instances for all VMs across your organization.

Use the Google Cloud Console or the `gcloud` command-line tool to set this policy. Example command:

```
gcloud resource-manager org-policies set-policy my_policy.yaml
```

Example `my_policy.yaml`:

```
name: organizations/1234567890/policies/compute.requireConfidentialCompute spec: rules: - enforce: true Verify and Monitor:
```

Ensure that all newly created VMs across your organization are Confidential VMs.

Regularly monitor compliance through the Google Cloud Console and set up alerts if non-compliant VMs are created.

Benefits:

Data Encryption in Use: Confidential VMs ensure that data is encrypted not just at rest and in transit but also while in use.

Policy Enforcement: Organization policies provide a way to enforce security configurations across all projects under your organization.

Reference:

Confidential Computing Documentation

Creating and Managing Organization Policies

NEW QUESTION # 221

Your team wants to limit users with administrative privileges at the organization level. Which two roles should your team restrict? (Choose two.)

- A. Organization Role Viewer
- **B. Super Admin**
- C. Compute Admin
- D. GKE Cluster Admin
- **E. Organization Administrator**

Answer: B,E

NEW QUESTION # 222

Your customer has an on-premises Public Key Infrastructure (PKI) with a certificate authority (CA). You need to issue certificates for many HTTP load balancer frontends. The on-premises PKI should be minimally affected due to many manual processes, and the solution needs to scale.

What should you do?

- **A. Use a subordinate CA in the Google Certificate Authority Service from the on-premises PKI system to issue certificates for the load balancers.**
- B. Use Certificate Manager to import certificates issued from on-premises PKI and for the frontends. Leverage the gcloud tool for importing
- C. Use Certificate Manager to issue Google managed public certificates and configure it at HTTP the load balancers in your infrastructure as code (IaC).
- D. Use the web applications with PKCS12 certificates issued from subordinate CA based on OpenSSL on- premises Use the gcloud tool for importing. Use the External TCP/UDP Network load balancer instead of an external HTTP Load Balancer.

Answer: A

Explanation:

This approach allows you to leverage your existing on-premises PKI infrastructure while minimizing its impact and manual processes. By creating a subordinate CA in Google's Certificate Authority Service, you can automate the process of issuing certificates for your HTTP load balancer frontends. This solution scales well as the number of load balancers increases.

NEW QUESTION # 223

You want to make sure that your organization's Cloud Storage buckets cannot have data publicly available to the internet. You want to enforce this across all Cloud Storage buckets. What should you do?

- A. Remove *.setIamPolicy permissions from all roles, and enforce domain restricted sharing in an organization policy.
- B. Remove Owner roles from end users, and configure Cloud Data Loss Prevention.
- C. Remove Owner roles from end users, and enforce domain restricted sharing in an organization policy.
- **D. Configure uniform bucket-level access, and enforce domain restricted sharing in an organization policy.**

Answer: D

Explanation:

* Uniform Bucket-Level Access: Enable uniform bucket-level access for all your Cloud Storage buckets. This feature ensures that access control is applied consistently at the bucket level, simplifying management and improving security.

* Domain Restricted Sharing: Enforce domain-restricted sharing through an organization policy. This policy ensures that only users within your organization's domain can access the data in the buckets, preventing public exposure.

* Policy Enforcement: Apply the necessary IAM policies and ensure that no buckets are configured to allow public access. This combination of settings ensures that data in Cloud Storage buckets remains private and accessible only to authorized users within your organization. References:

* Google Cloud - Uniform Bucket-Level Access

* Google Cloud - Organization Policy Service

NEW QUESTION # 224

A customer deployed an application on Compute Engine that takes advantage of the elastic nature of cloud computing.

How can you work with Infrastructure Operations Engineers to best ensure that Windows Compute Engine VMs are up to date with all the latest OS patches?

- A. Federate a Domain Controller into Compute Engine, and roll out weekly patches via Group Policy Object.
- B. Build new base images when patches are available, and use a CI/CD pipeline to rebuild VMs, deploying incrementally.
- C. Reboot all VMs during the weekly maintenance window and allow the StartUp Script to download the latest patches from the internet.
- D. Use Deployment Manager to provision updated VMs into new serving Instance Groups (IGs).

NEW QUESTION # 225

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