

Valid Professional-Cloud-Security-Engineer Test Preparation, Professional-Cloud-Security-Engineer Exam Objectives



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To ensure your success, you require Google Professional-Cloud-Security-Engineer Exam Questions that provide comprehensive and relevant information for a fully prepared approach to the Google Cloud Certified - Professional Cloud Security Engineer Exam (Professional-Cloud-Security-Engineer) exam. While numerous online guides offer Professional-Cloud-Security-Engineer Exam Questions, caution is necessary to avoid falling victim to online scams. Trust VerifiedDumps for the ultimate preparation experience with their Google Cloud Certified - Professional Cloud Security Engineer Exam (Professional-Cloud-Security-Engineer) exam questions.

Google Professional-Cloud-Security-Engineer Exam covers a wide range of topics related to cloud security, including security management, data protection, network security, and compliance. Professional-Cloud-Security-Engineer exam also covers topics such as identity and access management, encryption, incident response, and security monitoring. Professional-Cloud-Security-Engineer exam is designed to test the candidate's ability to apply their knowledge to real-world scenarios and solve complex security problems.

Google Professional-Cloud-Security-Engineer certification exam covers several key topics such as security controls, compliance and regulations, data protection, security management, and incident management. To succeed, candidates are expected to demonstrate their understanding of security principles and best practices in the cloud, and their ability to apply them in real-world scenarios. Candidates will also be tested on their ability to use Google Cloud security tools, services, and features effectively.

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Google Cloud Certified - Professional Cloud Security Engineer Exam Sample Questions (Q161-Q166):

NEW QUESTION # 161

Your company has deployed an application on Compute Engine. The application is accessible by clients on port 587. You need to balance the load between the different instances running the application. The connection should be secured using TLS, and terminated by the Load Balancer.

What type of Load Balancing should you use?

- A. HTTP(S) Load Balancing
- B. TCP Proxy Load Balancing
- C. Network Load Balancing
- D. **SSL Proxy Load Balancing**

Answer: D

Explanation:

<https://cloud.google.com/load-balancing/docs/ssl>

- SSL Proxy Load Balancing is a reverse proxy load balancer that distributes SSL traffic coming from the internet to virtual machine (VM) instances in your Google Cloud VPC network.

When using SSL Proxy Load Balancing for your SSL traffic, user SSL (TLS) connections are terminated at the load balancing layer, and then proxied to the closest available backend instances by using either SSL (recommended) or TCP.

NEW QUESTION # 162

You want data on Compute Engine disks to be encrypted at rest with keys managed by Cloud Key Management Service (KMS). Cloud Identity and Access Management (IAM) permissions to these keys must be managed in a grouped way because the permissions should be the same for all keys.

What should you do?

- A. **Create a single KeyRing for all persistent disks and all Keys in this KeyRing. Manage the IAM permissions at the KeyRing level.**
- B. Create a KeyRing per persistent disk, with each KeyRing containing a single Key. Manage the IAM permissions at the Key level.
- C. Create a KeyRing per persistent disk, with each KeyRing containing a single Key. Manage the IAM permissions at the KeyRing level.
- D. Create a single KeyRing for all persistent disks and all Keys in this KeyRing. Manage the IAM permissions at the Key level.

Answer: A

Explanation:

Explanation

<https://cloud.netapp.com/blog/gcp-cvo-blg-how-to-use-google-cloud-encryption-with-a-persistent-disk>

NEW QUESTION # 163

What are the steps to encrypt data using envelope encryption?

- A. **Generate a data encryption key (DEK) locally.**
Encrypt data with the DEK.
Use a key encryption key (KEK) to wrap the DEK. Store the encrypted data and the wrapped DEK.
- B. Generate a key encryption key (KEK) locally.
Use the KEK to generate a data encryption key (DEK). Encrypt data with the DEK.
Store the encrypted data and the wrapped DEK.
- C. Generate a data encryption key (DEK) locally.
Use a key encryption key (KEK) to wrap the DEK. Encrypt data with the KEK.
Store the encrypted data and the wrapped KEK.
- D. Generate a key encryption key (KEK) locally.
Generate a data encryption key (DEK) locally. Encrypt data with the KEK.
Store the encrypted data and the wrapped DEK.

Answer: A

Explanation:

Explanation

The process of encrypting data is to generate a DEK locally, encrypt data with the DEK, use a KEK to wrap the DEK, and then store the encrypted data and the wrapped DEK. The KEK never leaves Cloud KMS.https://cloud.google.com/kms/docs/envelope-encryption#how_to_encrypt_data_using_envelope_encryptio

NEW QUESTION # 164

Your organization has had a few recent DDoS attacks. You need to authenticate responses to domain name lookups. Which Google Cloud service should you use?

- A. Cloud NAT
- B. HTTP(S) Load Balancing
- C. Google Cloud Armor
- D. **Cloud DNS with DNSSEC**

Answer: D

Explanation:

Cloud DNS with DNSSEC (Domain Name System Security Extensions) provides authentication for DNS responses, ensuring that they are legitimate and have not been tampered with. DNSSEC helps protect against DNS spoofing and cache poisoning attacks, which are common techniques used in DDoS attacks.

Steps:

- * Enable DNSSEC: In the Google Cloud Console, navigate to Cloud DNS and enable DNSSEC for your managed zones.
- * Configure Key Signing: Set up key signing keys (KSK) and zone signing keys (ZSK) to sign your DNS records.
- * Monitor DNSSEC Status: Regularly monitor the DNSSEC status and logs to ensure it is functioning correctly.

References:

- * Cloud DNS documentation

NEW QUESTION # 165

Your team wants to limit users with administrative privileges at the organization level.

Which two roles should your team restrict? (Choose two.)

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

Answer: A,C

Explanation:

The Organization Administrator and Super Admin roles have extensive administrative privileges at the organization level. Restricting these roles is crucial to limit the number of users who have the ability to manage critical resources and configurations within the organization, thereby enhancing security and minimizing potential risks.

Organization Administrator: Has comprehensive permissions to manage all aspects of the Google Cloud organization, including projects, folders, and IAM policies.

Super Admin: In Google Workspace (formerly G Suite), the Super Admin has access to all administrative features and can manage user accounts, services, and settings across the organization.

References:

- * Google Cloud IAM roles
- * Managing super admin roles in Google Workspace

NEW QUESTION # 166

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