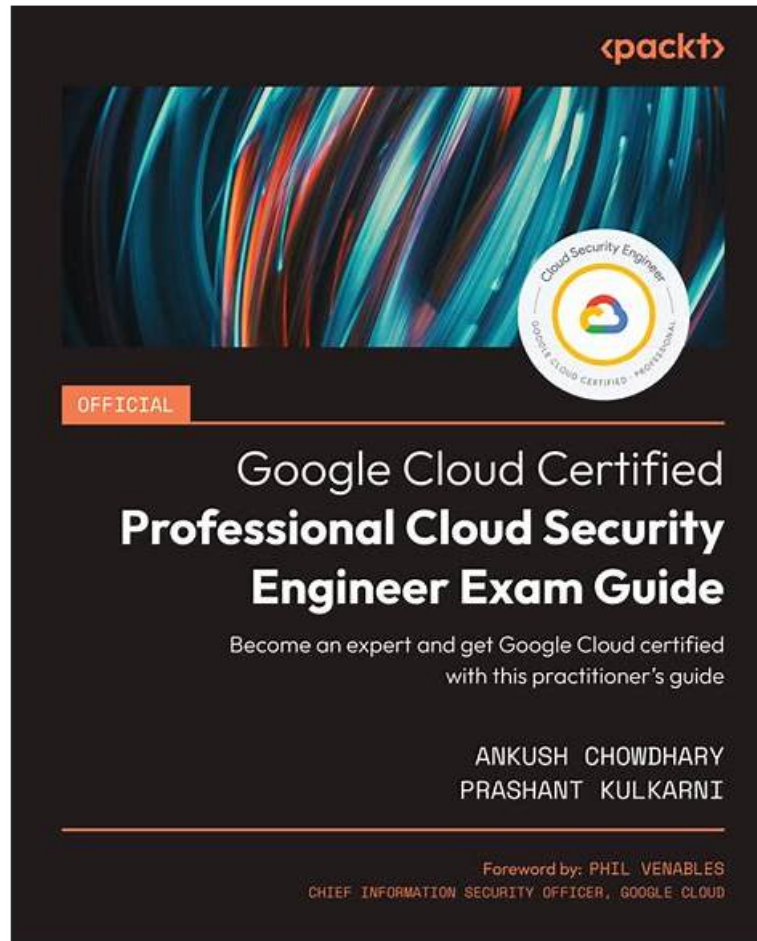


Quiz Google - Efficient Professional-Cloud-Security-Engineer - Google Cloud Certified - Professional Cloud Security Engineer Exam Reliable Test Guide



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The Google Professional-Cloud-Security-Engineer Exam for the Google Professional-Cloud-Security-Engineer certification is a comprehensive test of a candidate's knowledge of cloud security best practices, as well as their ability to design and implement secure cloud solutions. Professional-Cloud-Security-Engineer exam covers a range of topics, including cloud security architecture, data protection, identity and access management, compliance, and incident response. Candidates are expected to have a deep understanding of these topics, as well as hands-on experience with the Google Cloud Platform.

Conclusion

Cloud-centered services have been on-demand in recent years, hence the need to work with professional cloud computing experts who can leverage these solutions. And the status is not expected to change anytime soon if the recent statistics are anything to go by. With digital attacks posing a serious concern to established corporations with every passing day, it's easy to see why every institution now desires to work with competent cloud security professionals.

In other words, this is the perfect time to get into a new role as a cloud security engineer. And if that's the case, passing the Google Professional Cloud Security Engineer exam and earning the corresponding certification is mandatory. Just refer to credible study

materials like those mentioned above, and this achievement will help streamline your career and give you the upper hand when eyeing new roles in this field.

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Having a Google Professional-Cloud-Security-Engineer Certification demonstrates to potential employers that an individual has the skills and knowledge necessary to design and implement secure cloud solutions on the Google Cloud platform. Google Cloud Certified - Professional Cloud Security Engineer Exam certification is recognized globally and is highly valued by organizations that use Google Cloud Platform. Additionally, it provides a competitive edge to individuals seeking job opportunities in cloud security.

Google Cloud Certified - Professional Cloud Security Engineer Exam Sample Questions (Q50-Q55):

NEW QUESTION # 50

You are responsible for a set of Cloud Functions running on your organization's Google Cloud environment. During the last annual security review, secrets were identified in environment variables of some of these Cloud Functions. You must ensure that secrets are identified in a timely manner. What should you do?

- A. Implement regular peer reviews to assess the environment variables and identify secrets in your Cloud Functions. Raise a security incident if secrets are discovered.
- B. Integrate dynamic application security testing into the CI/CD pipeline that scans the application code for the Cloud Functions. Fail the build process if secrets are discovered.
- C. Implement a Cloud Function that scans the environment variables multiple times a day, and creates a finding in Security Command Center if secrets are discovered.
- **D. Use Sensitive Data Protection to scan the environment variables multiple times per day, and create a finding in Security Command Center if secrets are discovered.**

Answer: D

Explanation:

<https://cloud.google.com/sensitive-data-protection/docs/secrets-discovery#why>

NEW QUESTION # 51

Your organization uses the top-tier folder to separate application environments (prod and dev). The developers need to see all application development audit logs but they are not permitted to review production logs. Your security team can review all logs in production and development environments. You must grant Identity and Access Management (IAM) roles at the right resource level for the developers and security team while you ensure least privilege.

What should you do?

- A. * 1 Grant logging.admin role to the security team at the organization resource level.* 2 Grant logging.admin role to the developer team at the organization resource level.
- **B. * 1 Grant logging.admin role to the security team at the organization resource level.* 2 Grant logging.viewer role to the developer team at the folder resource level that contains all the dev projects.**
- C. * 1 Grant logging.viewer role to the security team at the organization resource level.* 2 Grant logging.admin role to the developer team at the organization resource level.
- D. * 1 Grant logging.viewer role to the security team at the organization resource level.* 2 Grant logging.viewer role to the developer team at the folder resource level that contains all the dev projects.

Answer: B

Explanation:

To ensure that the developers can view audit logs for the development environment and the security team can review all logs, you should grant IAM roles at the appropriate resource levels:

- * Grant logging.admin Role to the Security Team:
- * Assign the logging.admin role to the security team at the organization resource level.
- * This grants the security team full access to all logging data across the organization, including both production and development environments.
- * Grant logging.viewer Role to the Developer Team:
- * Assign the logging.viewer role to the developer team at the folder resource level that contains all the development projects.
- * This restricts the developers' access to only view logs in the development environment, ensuring they do not have access to production logs.

By using these roles and assigning them at the appropriate levels, you ensure that each team has the access they need while adhering to the principle of least privilege.

IAM Roles for Cloud Logging

Resource Hierarchy in Google Cloud

NEW QUESTION # 52

You are a security administrator at your company and are responsible for managing access controls (identification, authentication, and authorization) on Google Cloud. Which Google- recommended best practices should you follow when configuring authentication and authorization? (Choose two.)

- A. Provision users with basic roles using Google's Identity and Access Management (IAM) service.
- **B. Use SSO/SAML integration with Cloud Identity for user authentication and user lifecycle management.**
- **C. Provide granular access with predefined roles.**
- D. Use Google default encryption.
- E. Manually add users to Google Cloud.

Answer: B,C

Explanation:

https://cloud.google.com/iam/docs/using-iam-securely#least_privilege

Basic roles include thousands of permissions across all Google Cloud services. In production environments, do not grant basic roles unless there is no alternative. Instead, grant the most limited predefined roles or custom roles that meet your needs.

NEW QUESTION # 53

Your company must follow industry specific regulations. Therefore, you need to enforce customer-managed encryption keys (CMEK) for all new Cloud Storage resources in the organization called org1.

What command should you execute?

- A. * organization policy: constraints/gcp.restrictNonCmekServices* binding at: org1* policy type: deny* policy value: storage.googleapis.com
- B. * organization policy: constraints/gcp.restrictStorageNonCmekServices* binding at: org1* policy type: deny* policy value: storage.googleapis.com
- **C. * organization policy: constraints/gcp.restrictNonCmekServices* binding at: org1* policy type: allow* policy value: storage.googleapis.com**
- D. * organization policy: constraints/gcp.restrictStorageNonCmekServices* binding at: org1* policy type: allow* policy value: all supported services

Answer: C

Explanation:

* Requirement:

* Enforce the use of Customer-Managed Encryption Keys (CMEK) for all new Cloud Storage resources in the organization.

* Policy Constraint:

* Use the constraints/gcp.restrictNonCmekServices constraint to enforce CMEK usage.

* Policy Type and Value:

* Set the policy type to allow to specify which services must use CMEK.

* In this case, the policy value should be storage.googleapis.com to target Cloud Storage.

* Command:

* Applying the organization policy with the appropriate binding ensures that all new Cloud Storage resources under the organization will require CMEK.

* Steps:

* Step 1: Go to the Google Cloud Console.

* Step 2: Navigate to the Organization Policies page.

* Step 3: Apply the policy constraint constraints/gcp.restrictNonCmekServices with the allow policy type and storage.googleapis.com as the policy value.

References:

Organization Policy Constraints

Customer-Managed Encryption Keys (CMEK)

NEW QUESTION # 54

A customer's internal security team must manage its own encryption keys for encrypting data on Cloud Storage and decides to use customer-supplied encryption keys (CSEK).

How should the team complete this task?

- A. Encrypt the object, then use the gsutil command line tool or the Google Cloud Platform Console to upload the object to Cloud Storage.
- B. Upload the encryption key to a Cloud Storage bucket, and then upload the object to the same bucket.
- C. Generate an encryption key in the Google Cloud Platform Console, and upload an object to Cloud Storage using the specified key.
- **D. Use the gsutil command line tool to upload the object to Cloud Storage, and specify the location of the encryption key.**

Answer: D

Explanation:

To use customer-supplied encryption keys (CSEK) for encrypting data on Cloud Storage, follow these steps:

* Generate an Encryption Key: Generate a 256-bit AES encryption key. This key should be base64- encoded.

sh

Copy code

openssl rand -base64 32

* Upload Object with CSEK: Use the gsutil command-line tool to upload the object to Cloud Storage, specifying the location of the encryption key using the -o option.

gsutil -o "GSUtil:encryption_key=<base64-encoded-key>" cp [LOCAL_OBJECT_PATH] gs://
[BUCKET_NAME]/

* Verify Encryption: After uploading the object, you can verify that it is encrypted using the provided CSEK by checking the object's metadata.

gsutil stat gs://[BUCKET_NAME]/[OBJECT_NAME]

* Key Management: Ensure that the encryption key is securely stored and managed. It should not be hard- coded in scripts or applications.

By using the gsutil tool and specifying the encryption key, you ensure that the object is encrypted using the customer-supplied encryption key during the upload process.

Customer-Supplied Encryption Keys (CSEK) Documentation

gsutil Command Line Tool Documentation

NEW QUESTION # 55

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