

# Google

## Exam Questions Professional-Cloud-Security-Engineer

Google Cloud Certified - Professional Cloud Security Engineer



**NEW QUESTION 1**

A customer has an analytics workload running on Compute Engine that should have limited internet access. Your team created an egress firewall rule to deny (priority 1000) all traffic to the internet.

The Compute Engine instances now need to reach out to the public repository to get security updates. What should your team do?

- A. Create an egress firewall rule to allow traffic to the CIDR range of the repository with a priority greater than 1000.
- B. Create an egress firewall rule to allow traffic to the CIDR range of the repository with a priority less than 1000.
- C. Create an egress firewall rule to allow traffic to the hostname of the repository with a priority greater than 1000.
- D. Create an egress firewall rule to allow traffic to the hostname of the repository with a priority less than 1000.

**Answer: C**

**NEW QUESTION 2**

Which two implied firewall rules are defined on a VPC network? (Choose two.)

- A. A rule that allows all outbound connections
- B. A rule that denies all inbound connections
- C. A rule that blocks all inbound port 25 connections
- D. A rule that blocks all outbound connections
- E. A rule that allows all inbound port 80 connections

**Answer: AB**

**NEW QUESTION 3**

You are part of a security team investigating a compromised service account key. You need to audit which new resources were created by the service account. What should you do?

- A. Query Data Access logs.
- B. Query Admin Activity logs.
- C. Query Access Transparency logs.
- D. Query Stackdriver Monitoring Workspace.

**Answer: A**

**NEW QUESTION 4**

A company is running workloads in a dedicated server room. They must only be accessed from within the private company network. You need to connect to these workloads from Compute Engine instances within a Google Cloud Platform project.

Which two approaches can you take to meet the requirements? (Choose two.)

- A. Configure the project with Cloud VPN.
- B. Configure the project with Shared VPC.
- C. Configure the project with Cloud Interconnect.
- D. Configure the project with VPC peering.
- E. Configure all Compute Engine instances with Private Access.

**Answer: DE**

**NEW QUESTION 5**

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

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

**Answer: AB**

**NEW QUESTION 6**

When creating a secure container image, which two items should you incorporate into the build if possible? (Choose two.)

- A. Ensure that the app does not run as PID 1.
- B. Package a single app as a container.
- C. Remove any unnecessary tools not needed by the app.
- D. Use public container images as a base image for the app.
- E. Use many container image layers to hide sensitive information.

**Answer: BC**

**NEW QUESTION 7**

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. Generalization

- B. Redaction
- C. CryptoHashConfig
- D. CryptoReplaceFfxFpeConfig

**Answer: B**

#### NEW QUESTION 8

Your company runs a website that will store PII on Google Cloud Platform. To comply with data privacy regulations, this data can only be stored for a specific amount of time and must be fully deleted after this specific period. Data that has not yet reached the time period should not be deleted. You want to automate the process of complying with this regulation. What should you do?

- A. Store the data in a single Persistent Disk, and delete the disk at expiration time.
- B. Store the data in a single BigQuery table and set the appropriate table expiration time.
- C. Store the data in a single Cloud Storage bucket and configure the bucket's Time to Live.
- D. Store the data in a single BigTable table and set an expiration time on the column families.

**Answer: B**

#### NEW QUESTION 9

You need to follow Google-recommended practices to leverage envelope encryption and encrypt data at the application layer. What should you do?

- A. Generate a data encryption key (DEK) locally to encrypt the data, and generate a new key encryptionkey (KEK) in Cloud KMS to encrypt the DE
- B. Store both the encrypted data and the encrypted DEK.
- C. Generate a data encryption key (DEK) locally to encrypt the data, and generate a new key encryption key (KEK) in Cloud KMS to encrypt the DE
- D. Store both the encrypted data and the KEK.
- E. Generate a new data encryption key (DEK) in Cloud KMS to encrypt the data, and generate a key encryption key (KEK) locally to encrypt the ke
- F. Store both the encrypted data and the encrypted DEK.
- G. Generate a new data encryption key (DEK) in Cloud KMS to encrypt the data, and generate a key encryption key (KEK) locally to encrypt the ke
- H. Store both the encrypted data and the KEK.

**Answer: A**

#### NEW QUESTION 10

An organization adopts Google Cloud Platform (GCP) for application hosting services and needs guidance on setting up password requirements for their Cloud Identity account. The organization has a password policy requirement that corporate employee passwords must have a minimum number of characters. Which Cloud Identity password guidelines can the organization use to inform their new requirements?

- A. Set the minimum length for passwords to be 8 characters.
- B. Set the minimum length for passwords to be 10 characters.
- C. Set the minimum length for passwords to be 12 characters.
- D. Set the minimum length for passwords to be 6 characters.

**Answer: C**

#### NEW QUESTION 10

Your team needs to obtain a unified log view of all development cloud projects in your SIEM. The development projects are under the NONPROD organization folder with the test and pre-production projects. The development projects share the ABC-BILLING billing account with the rest of the organization. Which logging export strategy should you use to meet the requirements?

- A. 1. Export logs to a Cloud Pub/Sub topic with folders/NONPROD parent and includeChildren property set to True in a dedicated SIEM projec
- B. 2. Subscribe SIEM to the topic.
- C. 1. Create a Cloud Storage sink with billingAccounts/ABC-BILLING parent and includeChildren property set to False in a dedicated SIEM projec
- D. 2. Process Cloud Storage objects in SIEM.
- E. 1. Export logs in each dev project to a Cloud Pub/Sub topic in a dedicated SIEM projec
- F. 2. Subscribe SIEM to the topic.
- G. 1. Create a Cloud Storage sink with a publicly shared Cloud Storage bucket in each projec
- H. 2. Process Cloud Storage objects in SIEM.

**Answer: B**

#### NEW QUESTION 13

A customer's data science group wants to use Google Cloud Platform (GCP) for their analytics workloads. Company policy dictates that all data must be company-owned and all user authentications must go through their own Security Assertion Markup Language (SAML) 2.0 Identity Provider (IdP). The Infrastructure Operations Systems Engineer was trying to set up Cloud Identity for the customer and realized that their domain was already being used by G Suite. How should you best advise the Systems Engineer to proceed with the least disruption?

- A. Contact Google Support and initiate the Domain Contestation Process to use the domain name in your new Cloud Identity domain.
- B. Register a new domain name, and use that for the new Cloud Identity domain.
- C. Ask Google to provision the data science manager's account as a Super Administrator in the existing domain.
- D. Ask customer's management to discover any other uses of Google managed services, and work with the existing Super Administrator.

**Answer: C**

#### NEW QUESTION 18

A company's application is deployed with a user-managed Service Account key. You want to use Google- recommended practices to rotate the key.

What should you do?

- A. Open Cloud Shell and run `gcloud iam service-accounts enable-auto-rotate --iam- account=IAM_ACCOUNT`.
- B. Open Cloud Shell and run `gcloud iam service-accounts keys rotate --iam- account=IAM_ACCOUNT--key=NEW_KEY`.
- C. Create a new key, and use the new key in the applicatio
- D. Delete the old key from the Service Account.
- E. Create a new key, and use the new key in the applicatio
- F. Store the old key on the system as a backup key.

**Answer: C**

#### NEW QUESTION 21

You need to provide a corporate user account in Google Cloud for each of your developers and operational staff who need direct access to GCP resources. Corporate policy requires you to maintain the user identity in a third-party identity management provider and leverage single sign-on. You learn that a significant number of users are using their corporate domain email addresses for personal Google accounts, and you need to follow Google recommended practices to convert existing unmanaged users to managed accounts. Which two actions should you take? (Choose two.)

- A. Use Google Cloud Directory Sync to synchronize your local identity management system to Cloud Identity.
- B. Use the Google Admin console to view which managed users are using a personal account for their recovery email.
- C. Add users to your managed Google account and force users to change the email addresses associated with their personal accounts.
- D. Use the Transfer Tool for Unmanaged Users (TTUU) to find users with conflicting accounts and ask them to transfer their personal Google accounts.
- E. Send an email to all of your employees and ask those users with corporate email addresses for personal Google accounts to delete the personal accounts immediately.

**Answer: BE**

#### NEW QUESTION 23

As adoption of the Cloud Data Loss Prevention (DLP) API grows within the company, you need to optimize usage to reduce cost. DLP target data is stored in Cloud Storage and BigQuery. The location and region are identified as a suffix in the resource name. Which cost reduction options should you recommend?

- A. Set appropriate `rowsLimit` value on BigQuery data hosted outside the US and set appropriate `bytesLimitPerFile` value on multiregional Cloud Storage buckets.
- B. Set appropriate `rowsLimit` value on BigQuery data hosted outside the US, and minimize transformation units on multiregional Cloud Storage buckets.
- C. Use `rowsLimit` and `bytesLimitPerFile` to sample data and use `CloudStorageRegexFileSet` to limit scans.
- D. Use `FindingLimits` and `TimespanConfig` to sample data and minimize transformation units.

**Answer: C**

#### NEW QUESTION 28

Your team wants to make sure Compute Engine instances running in your production project do not have public IP addresses. The frontend application Compute Engine instances will require public IPs. The product engineers have the Editor role to modify resources. Your team wants to enforce this requirement. How should your team meet these requirements?

- A. Enable Private Access on the VPC network in the production project.
- B. Remove the Editor role and grant the Compute Admin IAM role to the engineers.
- C. Set up an organization policy to only permit public IPs for the front-end Compute Engine instances.
- D. Set up a VPC network with two subnets: one with public IPs and one without public IPs.

**Answer: C**

#### NEW QUESTION 32

An organization is migrating from their current on-premises productivity software systems to G Suite. Some network security controls were in place that were mandated by a regulatory body in their region for their previous on-premises system. The organization's risk team wants to ensure that network security controls are maintained and effective in G Suite. A security architect supporting this migration has been asked to ensure that network security controls are in place as part of the new shared responsibility model between the organization and Google Cloud. What solution would help meet the requirements?

- A. Ensure that firewall rules are in place to meet the required controls.
- B. Set up Cloud Armor to ensure that network security controls can be managed for G Suite.
- C. Network security is a built-in solution and Google's Cloud responsibility for SaaS products like G Suite.
- D. Set up an array of Virtual Private Cloud (VPC) networks to control network security as mandated by the relevant regulation.

**Answer: B**

#### NEW QUESTION 34

An organization's typical network and security review consists of analyzing application transit routes, request handling, and firewall rules. They want to enable their developer teams to deploy new applications without the overhead of this full review. How should you advise this organization?

- A. Use Forseti with Firewall filters to catch any unwanted configurations in production.
- B. Mandate use of infrastructure as code and provide static analysis in the CI/CD pipelines to enforce policies.
- C. Route all VPC traffic through customer-managed routers to detect malicious patterns in production.
- D. All production applications will run on-premise
- E. Allow developers free rein in GCP as their dev and QA platforms.

**Answer: B**

**NEW QUESTION 39**

What are the steps to encrypt data using envelope encryption?

- A. Generate a data encryption key (DEK) locally. Use a key encryption key (KEK) to wrap the DE
- B. Encrypt data with the KE
- C. Store the encrypted data and the wrapped KEK.
- D. Generate a key encryption key (KEK) locally. Use the KEK to generate a data encryption key (DEK). Encrypt data with the DE
- E. Store the encrypted data and the wrapped DEK.
- F. Generate a data encryption key (DEK) locally. Encrypt data with the DEK. Use a key encryption key (KEK) to wrap the DE
- G. Store the encrypted data and the wrapped DEK.
- H. Generate a key encryption key (KEK) locally. Generate a data encryption key (DEK) locall
- I. Encrypt data with the KE
- J. Store the encrypted data and the wrapped DEK.

**Answer: C**

**NEW QUESTION 40**

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