



Google

Exam Questions Professional-Cloud-Security-Engineer

Google Cloud Certified - Professional Cloud Security Engineer

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NEW QUESTION 1

You want to evaluate GCP for PCI compliance. You need to identify Google's inherent controls. Which document should you review to find the information?

- A. Google Cloud Platform: Customer Responsibility Matrix
- B. PCI DSS Requirements and Security Assessment Procedures
- C. PCI SSC Cloud Computing Guidelines
- D. Product documentation for Compute Engine

Answer: C

NEW QUESTION 2

A website design company recently migrated all customer sites to App Engine. Some sites are still in progress and should only be visible to customers and company employees from any location.

Which solution will restrict access to the in-progress sites?

- A. Upload an .htaccess file containing the customer and employee user accounts to App Engine.
- B. Create an App Engine firewall rule that allows access from the customer and employee networks and denies all other traffic.
- C. Enable Cloud Identity-Aware Proxy (IAP), and allow access to a Google Group that contains the customer and employee user accounts.
- D. Use Cloud VPN to create a VPN connection between the relevant on-premises networks and the company's GCP Virtual Private Cloud (VPC) network.

Answer: C

NEW QUESTION 3

Your team needs to make sure that a Compute Engine instance does not have access to the internet or to any Google APIs or services.

Which two settings must remain disabled to meet these requirements? (Choose two.)

- A. Public IP
- B. IP Forwarding
- C. Private Google Access
- D. Static routes
- E. IAM Network User Role

Answer: CD

NEW QUESTION 4

Your team needs to configure their Google Cloud Platform (GCP) environment so they can centralize the control over networking resources like firewall rules, subnets, and routes. They also have an on-premises environment where resources need access back to the GCP resources through a private VPN connection. The networking resources will need to be controlled by the network security team.

Which type of networking design should your team use to meet these requirements?

- A. Shared VPC Network with a host project and service projects
- B. Grant Compute Admin role to the networking team for each engineering project
- C. VPC peering between all engineering projects using a hub and spoke model
- D. Cloud VPN Gateway between all engineering projects using a hub and spoke model

Answer: A

NEW QUESTION 5

An organization is evaluating the use of Google Cloud Platform (GCP) for certain IT workloads. A well- established directory service is used to manage user identities and lifecycle management. This directory service must continue for the organization to use as the "source of truth" directory for identities.

Which solution meets the organization's requirements?

- A. Google Cloud Directory Sync (GCDS)
- B. Cloud Identity
- C. Security Assertion Markup Language (SAML)
- D. Pub/Sub

Answer: B

NEW QUESTION 6

In order to meet PCI DSS requirements, a customer wants to ensure that all outbound traffic is authorized. Which two cloud offerings meet this requirement without additional compensating controls? (Choose two.)

- A. App Engine
- B. Cloud Functions
- C. Compute Engine
- D. Google Kubernetes Engine
- E. Cloud Storage

Answer: AC

NEW QUESTION 7

A company has been running their application on Compute Engine. A bug in the application allowed a malicious user to repeatedly execute a script that results in the Compute Engine instance crashing. Although the bug has been fixed, you want to get notified in case this hack re-occurs.

What should you do?

- A. Create an Alerting Policy in Stackdriver using a Process Health condition, checking that the number of executions of the script remains below the desired threshold
- B. Enable notifications.
- C. Create an Alerting Policy in Stackdriver using the CPU usage metric
- D. Set the threshold to 80% to be notified when the CPU usage goes above this 80%.
- E. Log every execution of the script to Stackdriver Logging
- F. Create a User-defined metric in Stackdriver Logging on the logs, and create a Stackdriver Dashboard displaying the metric.
- G. Log every execution of the script to Stackdriver Logging
- H. Configure BigQuery as a log sink, and create a BigQuery scheduled query to count the number of executions in a specific timeframe.

Answer: C

NEW QUESTION 8

A customer terminates an engineer and needs to make sure the engineer's Google account is automatically deprovisioned. What should the customer do?

- A. Use the Cloud SDK with their directory service to remove their IAM permissions in Cloud Identity.
- B. Use the Cloud SDK with their directory service to provision and deprovision users from Cloud Identity.
- C. Configure Cloud Directory Sync with their directory service to provision and deprovision users from Cloud Identity.
- D. Configure Cloud Directory Sync with their directory service to remove their IAM permissions in Cloud Identity.

Answer: C

NEW QUESTION 9

A customer needs an alternative to storing their plain text secrets in their source-code management (SCM) system. How should the customer achieve this using Google Cloud Platform?

- A. Use Cloud Source Repositories, and store secrets in Cloud SQL.
- B. Encrypt the secrets with a Customer-Managed Encryption Key (CMEK), and store them in Cloud Storage.
- C. Run the Cloud Data Loss Prevention API to scan the secrets, and store them in Cloud SQL.
- D. Deploy the SCM to a Compute Engine VM with local SSDs, and enable preemptible VMs.

Answer: B

NEW QUESTION 10

For compliance reasons, an organization needs to ensure that in-scope PCI Kubernetes Pods reside on "in-scope" Nodes only. These Nodes can only contain the "in-scope" Pods. How should the organization achieve this objective?

- A. Add a nodeSelector field to the pod configuration to only use the Nodes labeled inscope: true.
- B. Create a node pool with the label inscope: true and a Pod Security Policy that only allows the Pods to run on Nodes with that label.
- C. Place a taint on the Nodes with the label inscope: true and effect NoSchedule and a toleration to match in the Pod configuration.
- D. Run all in-scope Pods in the namespace "in-scope-pci".

Answer: C

NEW QUESTION 10

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 11

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 15

Which two security characteristics are related to the use of VPC peering to connect two VPC networks? (Choose two.)

- A. Central management of routes, firewalls, and VPNs for peered networks
- B. Non-transitive peered networks; where only directly peered networks can communicate
- C. Ability to peer networks that belong to different Google Cloud Platform organizations

- D. Firewall rules that can be created with a tag from one peered network to another peered network
- E. Ability to share specific subnets across peered networks

Answer: AD

NEW QUESTION 20

A customer is collaborating with another company to build an application on Compute Engine. The customer is building the application tier in their GCP Organization, and the other company is building the storage tier in a different GCP Organization. This is a 3-tier web application. Communication between portions of the application must not traverse the public internet by any means. Which connectivity option should be implemented?

- A. VPC peering
- B. Cloud VPN
- C. Cloud Interconnect
- D. Shared VPC

Answer: B

NEW QUESTION 24

Your team needs to make sure that their backend database can only be accessed by the frontend application and no other instances on the network. How should your team design this network?

- A. Create an ingress firewall rule to allow access only from the application to the database using firewall tags.
- B. Create a different subnet for the frontend application and database to ensure network isolation.
- C. Create two VPC networks, and connect the two networks using Cloud VPN gateways to ensure network isolation.
- D. Create two VPC networks, and connect the two networks using VPC peering to ensure network isolation.

Answer: A

NEW QUESTION 29

A business unit at a multinational corporation signs up for GCP and starts moving workloads into GCP. The business unit creates a Cloud Identity domain with an organizational resource that has hundreds of projects.

Your team becomes aware of this and wants to take over managing permissions and auditing the domain resources.

Which type of access should your team grant to meet this requirement?

- A. Organization Administrator
- B. Security Reviewer
- C. Organization Role Administrator
- D. Organization Policy Administrator

Answer: C

NEW QUESTION 34

You are in charge of migrating a legacy application from your company datacenters to GCP before the current maintenance contract expires. You do not know what ports the application is using and no documentation is available for you to check. You want to complete the migration without putting your environment at risk. What should you do?

- A. Migrate the application into an isolated project using a “Lift & Shift” approach
- B. Enable all internal TCP traffic using VPC Firewall rule
- C. Use VPC Flow logs to determine what traffic should be allowed for the application to work properly.
- D. Migrate the application into an isolated project using a “Lift & Shift” approach in a custom network. Disable all traffic within the VPC and look at the Firewall logs to determine what traffic should be allowed for the application to work properly.
- E. Refactor the application into a micro-services architecture in a GKE cluster
- F. Disable all traffic from outside the cluster using Firewall Rule
- G. Use VPC Flow logs to determine what traffic should be allowed for the application to work properly.
- H. Refactor the application into a micro-services architecture hosted in Cloud Functions in an isolated project. Disable all traffic from outside your project using Firewall Rule
- I. Use VPC Flow logs to determine what traffic should be allowed for the application to work properly.

Answer: C

NEW QUESTION 38

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

Answer: D

NEW QUESTION 42

You are creating an internal App Engine application that needs to access a user’s Google Drive on the user’s behalf. Your company does not want to rely on the current user’s credentials. It also wants to follow Google recommended practices. What should you do?

- A. Create a new Service account, and give all application users the role of Service Account User.
- B. Create a new Service account, and add all application users to a Google Group.
- C. Give this group the role of Service Account User.
- D. Use a dedicated G Suite Admin account, and authenticate the application's operations with these G Suite credentials.
- E. Create a new service account, and grant it G Suite domain-wide delegation.
- F. Have the application use it to impersonate the user.

Answer: A

NEW QUESTION 46

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 51

You want to limit the images that can be used as the source for boot disks. These images will be stored in a dedicated project. What should you do?

- A. Use the Organization Policy Service to create a compute.trustedimageProjects constraint on the organization level.
- B. List the trusted project as the whitelist in an allow operation.
- C. Use the Organization Policy Service to create a compute.trustedimageProjects constraint on the organization level.
- D. List the trusted projects as the exceptions in a deny operation.
- E. In Resource Manager, edit the project permissions for the trusted project.
- F. Add the organization as member with the role: Compute Image User.
- G. In Resource Manager, edit the organization permission.
- H. Add the project ID as member with the role: Compute Image User.

Answer: B

NEW QUESTION 52

Which international compliance standard provides guidelines for information security controls applicable to the provision and use of cloud services?

- A. ISO 27001
- B. ISO 27002
- C. ISO 27017
- D. ISO 27018

Answer: C

Explanation:

Create a new Service Account that should be able to list the Compute Engine instances in the project. You want to follow Google-recommended practices.

NEW QUESTION 55

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. Temporarily disable authentication on the Cloud Storage bucket.
- B. Use the undelete command to recover the deleted service account.
- 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: B

NEW QUESTION 60

Your company operates an application instance group that is currently deployed behind a Google Cloud load balancer in us-central-1 and is configured to use the Standard Tier network. The infrastructure team wants to expand to a second Google Cloud region, us-east-2. You need to set up a single external IP address to distribute new requests to the instance groups in both regions. What should you do?

- A. Change the load balancer backend configuration to use network endpoint groups instead of instance groups.
- B. Change the load balancer frontend configuration to use the Premium Tier network, and add the new instance group.
- C. Create a new load balancer in us-east-2 using the Standard Tier network, and assign a static external IP address.
- D. Create a Cloud VPN connection between the two regions, and enable Google Private Access.

Answer: A

NEW QUESTION 62

Your company is using Cloud Dataproc for its Spark and Hadoop jobs. You want to be able to create, rotate, and destroy symmetric encryption keys used for the

persistent disks used by Cloud Dataproc. Keys can be stored in the cloud.
What should you do?

- A. Use the Cloud Key Management Service to manage the data encryption key (DEK).
- B. Use the Cloud Key Management Service to manage the key encryption key (KEK).
- C. Use customer-supplied encryption keys to manage the data encryption key (DEK).
- D. Use customer-supplied encryption keys to manage the key encryption key (KEK).

Answer: A

NEW QUESTION 66

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) locally
- I. Encrypt data with the KE
- J. Store the encrypted data and the wrapped DEK.

Answer: C

NEW QUESTION 70

Your team needs to prevent users from creating projects in the organization. Only the DevOps team should be allowed to create projects on behalf of the requester.

Which two tasks should your team perform to handle this request? (Choose two.)

- A. Remove all users from the Project Creator role at the organizational level.
- B. Create an Organization Policy constraint, and apply it at the organizational level.
- C. Grant the Project Editor role at the organizational level to a designated group of users.
- D. Add a designated group of users to the Project Creator role at the organizational level.
- E. Grant the billing account creator role to the designated DevOps team.

Answer: BD

NEW QUESTION 75

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