Google

Exam Questions Professional-Cloud-Security-Engineer

Google Cloud Certified - Professional Cloud Security Engineer

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
While migrating your organization's infrastructure to GCP, a large number of users will need to access GCP Console. The Identity Management team already has a well-established way to manage your users and want to keep using your existing Active Directory or LDAP server along with the existing SSO password.
What should you do?

A. Manually synchronize the data in Google domain with your existing Active Directory or LDAP server.
B. Use Google Cloud Directory Sync to synchronize the data in Google domain with your existing Active Directory or LDAP server.
C. Users sign in directly to the GCP Console using the credentials from your on-premises Kerberoscompliant identity provider.
D. Users sign in using OpenID (OIDC) compatible IdP, receive an authentication token, then use that token to log in to the GCP Console.

Answer: B

NEW QUESTION 3
You are the Security Admin in your company. You want to synchronize all security groups that have an email address from your LDAP directory in Cloud IAM.

A. Configure Google Cloud Directory Sync to sync security groups using LDAP search rules that have "user email address" as the attribute to facilitate one-way sync.
B. Configure Google Cloud Directory Sync to sync security groups using LDAP search rules that have "user email address" as the attribute to facilitate bidirectional sync.
C. Use a management tool to sync the subset based on the email address attribut
D. Create a group in the Google domai
E. A group created in a Google domain will automatically have an explicit Google Cloud Identity and Access Management (IAM) role.
F. Use a management tool to sync the subset based on group object class attribut
G. Create a group in the Google domai
H. A group created in a Google domain will automatically have an explicit Google Cloud Identity and Access Management (IAM) role.

Answer: C

NEW QUESTION 4
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 5
Your team sets up a Shared VPC Network where project co-vpc-prod is the host project. Your team has configured the firewall rules, subnets, and VPN gateway on the host project. They need to enable Engineering Group A to attach a Compute Engine instance to only the 10.1.1.0/24 subnet.
What should your team grant to Engineering Group A to meet this requirement?

A. Compute Network User Role at the host project level.
B. Compute Network User Role at the subnet level.
C. Compute Shared VPC Admin Role at the host project level.
D. Compute Shared VPC Admin Role at the service project level.

Answer: C

NEW QUESTION 6
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 7
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 8
A customer wants to deploy a large number of 3-tier web applications on Compute Engine.
How should the customer ensure authenticated network separation between the different tiers of the application?

A. Run each tier in its own Project, and segregate using Project labels.
B. Run each tier with a different Service Account (SA), and use SA-based firewall rules.
C. Run each tier in its own subnet, and use subnet-based firewall rules.
D. Run each tier with its own VM tags, and use tag-based firewall rules.

Answer: C

NEW QUESTION 9
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 10
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
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 14
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 15
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 20
A large e-retailer is moving to Google Cloud Platform with its ecommerce website. The company wants to ensure payment information is encrypted between the customer's browser and GCP when the customers checkout online.
What should they do?

A. Configure an SSL Certificate on an L7 Load Balancer and require encryption.
B. Configure an SSL Certificate on a Network TCP Load Balancer and require encryption.
C. Configure the firewall to allow inbound traffic on port 443, and block all other inbound traffic.
D. Configure the firewall to allow outbound traffic on port 443, and block all other outbound traffic.

Answer: A

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 28
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" approac
B. Enable all internal TCP traffic using VPC Firewall rule
C. Use VPC Flow logs to determine what traffic should be allowed for theapplication 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 cluste
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 29
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 31
A customer wants to run a batch processing system on VMs and store the output files in a Cloud Storage bucket. The networking and security teams have decided that no VMs may reach the public internet.
How should this be accomplished?

A. Create a firewall rule to block internet traffic from the VM.
B. Provision a NAT Gateway to access the Cloud Storage API endpoint.
C. Enable Private Google Access on the VPC.
D. Mount a Cloud Storage bucket as a local filesystem on every VM.

Answer: B

NEW QUESTION 35
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 38
Applications often require access to “secrets” - small pieces of sensitive data at build or run time. The administrator managing these secrets on GCP wants to keep a track of “who did what, where, and when?” within their GCP projects.
Which two log streams would provide the information that the administrator is looking for? (Choose two.)

A. Admin Activity logs
B. System Event logs
C. Data Access logs
D. VPC Flow logs
E. Agent logs

Answer: AC

NEW QUESTION 39
A large financial institution is moving its Big Data analytics to Google Cloud Platform. They want to have maximum control over the encryption process of data stored at rest in BigQuery.
What technique should the institution use?

A. Use Cloud Storage as a federated Data Source.
B. Use a Cloud Hardware Security Module (Cloud HSM).
C. Customer-managed encryption keys (CMEK).
D. Customer-supplied encryption keys (CSEK).

Answer: C

NEW QUESTION 42
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 45
Last week, a company deployed a new App Engine application that writes logs to BigQuery. No other workloads are running in the project. You need to validate that all data written to BigQuery was done using the App Engine Default Service Account.
What should you do?

A. * 1. Use StackDriver Logging and filter on BigQuery Insert Jobs.* 2. Click on the email address in line with the App Engine Default Service Account in the authentication field.* 3. Click Hide Matching Entrie
B. * 4. Make sure the resulting list is empty.
C. * 1. Use StackDriver Logging and filter on BigQuery Insert Jobs.* 2. Click on the email address in line with the App Engine Default Service Account in the authentication field.* 3. Click Show Matching Entrie
D. * 4. Make sure the resulting list is empty.
E. * 1. In BigQuery, select the related dataset.* 2. Make sure the App Engine Default Service Account is the only account that can write to the dataset.
F. * 1. Go to the IAM section on the project.* 2. Validate that the App Engine Default Service Account is the only account that has a role that can write to BigQuery.

Answer: C

NEW QUESTION 49
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 52
A company is deploying their application on Google Cloud Platform. Company policy requires long-term data to be stored using a solution that can automatically replicate data over at least two geographic places.
Which Storage solution are they allowed to use?

A. Cloud Bigtable
B. Cloud BigQuery
C. Compute Engine SSD Disk
D. Compute Engine Persistent Disk

Answer: B

NEW QUESTION 53
A company is backing up application logs to a Cloud Storage bucket shared with both analysts and the administrator. Analysts should only have access to logs that do not contain any personally identifiable information (PII). Log files containing PII should be stored in another bucket that is only accessible by the administrator.
What should you do?

A. Use Cloud Pub/Sub and Cloud Functions to trigger a Data Loss Prevention scan every time a file is uploaded to the shared bucke
B. If the scan detects PII, have the function move into a Cloud Storage bucket only accessible by the administrator.
C. Upload the logs to both the shared bucket and the bucket only accessible by the administrato
D. Create a job trigger using the Cloud Data Loss Prevention AP
E. Configure the trigger to delete any files from theshared bucket that contain PII.
F. On the bucket shared with both the analysts and the administrator, configure Object Lifecycle Management to delete objects that contain any PII.
G. On the bucket shared with both the analysts and the administrator, configure a Cloud Storage Trigger that is only triggered when PII data is uploade
H. Use Cloud Functions to capture the trigger and delete such files.

Answer: C

NEW QUESTION 57
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 59
A customer implements Cloud Identity-Aware Proxy for their ERP system hosted on Compute Engine. Their security team wants to add a security layer so that the ERP systems only accept traffic from Cloud Identity- Aware Proxy.
What should the customer do to meet these requirements?

A. Make sure that the ERP system can validate the JWT assertion in the HTTP requests.
B. Make sure that the ERP system can validate the identity headers in the HTTP requests.
C. Make sure that the ERP system can validate the x-forwarded-for headers in the HTTP requests.
D. Make sure that the ERP system can validate the user's unique identifier headers in the HTTP requests.

Answer: A

NEW QUESTION 61
Your team wants to centrally manage GCP IAM permissions from their on-premises Active Directory Service. Your team wants to manage permissions by AD group membership.
What should your team do to meet these requirements?

A. Set up Cloud Directory Sync to sync groups, and set IAM permissions on the groups.
B. Set up SAML 2.0 Single Sign-On (SSO), and assign IAM permissions to the groups.
C. Use the Cloud Identity and Access Management API to create groups and IAM permissions from Active Directory.
D. Use the Admin SDK to create groups and assign IAM permissions from Active Directory.

Answer: B

NEW QUESTION 66
You are part of a security team that wants to ensure that a Cloud Storage bucket in Project A can only be readable from Project B. You also want to ensure that data in the Cloud Storage bucket cannot be accessed from or copied to Cloud Storage buckets outside the network, even if the user has the correct credentials.
What should you do?

A. Enable VPC Service Controls, create a perimeter with Project A and B, and include Cloud Storage service.
B. Enable Domain Restricted Sharing Organization Policy and Bucket Policy Only on the Cloud Storage bucket.
C. Enable Private Access in Project A and B networks with strict firewall rules to allow communication between the networks.

D. Enable VPC Peering between Project A and B networks with strict firewall rules to allow communication between the networks.

Answer: B

NEW QUESTION 68
A company allows every employee to use Google Cloud Platform. Each department has a Google Group, with all department members as group members. If a department member creates a new project, all members of that department should automatically have read-only access to all new project resources. Members of any other department should not have access to the project. You need to configure this behavior.
What should you do to meet these requirements?

A. Create a Folder per department under the Organizatio
B. For each department's Folder, assign the Project Viewer role to the Google Group related to that department.
C. Create a Folder per department under the Organizatio
D. For each department's Folder, assign the Project Browser role to the Google Group related to that department.
E. Create a Project per department under the Organizatio
F. For each department's Project, assign the Project Viewer role to the Google Group related to that department.
G. Create a Project per department under the Organizatio
H. For each department's Project, assign the Project Browser role to the Google Group related to that department.

Answer: C

NEW QUESTION 72
A company migrated their entire data/center to Google Cloud Platform. It is running thousands of instances across multiple projects managed by different departments. You want to have a historical record of what was running in Google Cloud Platform at any point in time.
What should you do?

A. Use Resource Manager on the organization level.
B. Use Forseti Security to automate inventory snapshots.
C. Use Stackdriver to create a dashboard across all projects.
D. Use Security Command Center to view all assets across the organization.

Answer: C

NEW QUESTION 76
A retail customer allows users to upload comments and product reviews. The customer needs to make sure the text does not include sensitive data before the comments or reviews are published.
Which Google Cloud Service should be used to achieve this?

A. Cloud Key Management Service
B. Cloud Data Loss Prevention API
C. BigQuery
D. Cloud Security Scanner

Answer: D

NEW QUESTION 80
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