

# Google Professional-Cloud-Security-Engineer Exam Objectives | New Professional-Cloud-Security-Engineer Exam Testking



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Earning the Google Professional-Cloud-Security-Engineer Certification can help professionals advance their careers in cloud security and demonstrate their expertise in cloud security best practices. It can also help organizations build and maintain secure and compliant cloud infrastructures on Google Cloud Platform, which is becoming the preferred choice for businesses of all sizes.

## Configure Network Security

- **Network Security Design:** The test takers will be required to demonstrate an understanding of security properties of VPC networks, shared VPC, firewall rules, and VPC peering. This objective also measures their skills in using DNSSEC, security policy for app-to-app, and network isolation & data encapsulation for N-tier application design;
- **Private Connectivity Establishment:** The consideration for this topic includes enabling private connectivity between Google APIs and VPC as well as private RFC 1918 connectivity between Google Cloud Projects & VPC networks and between VPC network & data centers.
- **Network Segmentation Configuration:** This part evaluates one's competence in network perimeter controls, and load balancing, including global, SSL proxy, network, TCP load balancer, and HTTP(S);

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## Google Cloud Certified - Professional Cloud Security Engineer Exam Sample Questions (Q110-Q115):

### NEW QUESTION # 110

Your organization leverages folders to represent different teams within your Google Cloud environment. To support Infrastructure as Code (IaC) practices, each team receives a dedicated service account upon onboarding. You want to ensure that teams have comprehensive permissions to manage resources within their assigned folders while adhering to the principle of least privilege. You must design the permissions for these team-based service accounts in the most effective way possible. What should you do?

- A. Grant each service account the project creator role at the organization level and use folder-level IAM conditions to restrict project creation to specific folders.Reddit
- B. Assign each service account the folder IAM administrator role on its respective folder to allow teams to create and manage additional custom roles if needed.
- C. Assign each service account the project editor role at the organization level and instruct teams to use IAM bindings at the folder level for fine-grained permissions.
- **D. Grant each service account the folder administrator role on its respective folder.**

**Answer: D**

Explanation:

To ensure that each team's service account has the necessary permissions to manage resources within their assigned folders while adhering to the principle of least privilege, the following considerations apply:

**Folder Administrator Role:** Granting each service account the Folder Administrator role on its respective folder provides comprehensive permissions to manage resources within that folder, including creating, updating, and deleting projects and resources. This approach ensures that teams have the necessary control over their environments without extending permissions beyond their assigned scope.

**Principle of Least Privilege:** By assigning permissions at the folder level, you limit the service account's access to only the resources within its designated folder, aligning with the principle of least privilege and reducing the risk of unauthorized access to other parts of the organization.

Therefore, Option A is the most effective approach, as it provides the necessary permissions for teams to manage their resources within their assigned folders while adhering to security best practices.

Reference:

Understanding Roles

Best Practices for Enterprise Organizations

### NEW QUESTION # 111

You are deploying regulated workloads on Google Cloud. The regulation has data residency and data access requirements. It also requires that support is provided from the same geographical location as where the data resides.

What should you do?

- A. Enable Access Transparency Logging.
- **B. Deploy Assured Workloads.**
- C. Deploy resources only to regions permitted by data residency requirements
- D. Use Data Access logging and Access Transparency logging to confirm that no users are accessing data from another region.

**Answer: B**

### NEW QUESTION # 112

Your Google Cloud organization allows for administrative capabilities to be distributed to each team through provision of a Google Cloud project with Owner role (roles/ owner). The organization contains thousands of Google Cloud Projects Security Command Center Premium has surfaced multiple cpen\_mysql\_port findings. You are enforcing the guardrails and need to prevent these types of common misconfigurations.

What should you do?

- A. Create a hierarchical firewall policy configured at the organization to allow connections only from internal IP ranges
- B. Create a firewall rule for each virtual private cloud (VPC) to deny traffic from 0 0 0 0/0 with priority 0.
- **C. Create a hierarchical firewall policy configured at the organization to deny all connections from 0 0 0 0/0.**

- D. Create a Google Cloud Armor security policy to deny traffic from 0 0 0 0/0.

**Answer: C**

### NEW QUESTION # 113

You perform a security assessment on a customer architecture and discover that multiple VMs have public IP addresses. After providing a recommendation to remove the public IP addresses, you are told those VMs need to communicate to external sites as part of the customer's typical operations. What should you recommend to reduce the need for public IP addresses in your customer's VMs?

- A. Cloud VPN
- B. Cloud Router
- C. Cloud NAT
- D. Google Cloud Armor

**Answer: A**

### NEW QUESTION # 114

You are tasked with exporting and auditing security logs for login activity events for Google Cloud console and API calls that modify configurations to Google Cloud resources. Your export must meet the following requirements:

- Export related logs for all projects in the Google Cloud organization.
- Export logs in near real-time to an external SIEM.

What should you do? (Choose two.)

- A. Create a Log Sink at the organization level with a Pub/Sub destination.
- B. Enable Data Access audit logs at the organization level to apply to all projects.
- C. Ensure that the SIEM processes the AuthenticationInfo field in the audit log entry to gather identity information.
- D. Create a Log Sink at the organization level with the includeChildren parameter, and set the destination to a Pub/Sub topic.
- E. Enable Google Workspace audit logs to be shared with Google Cloud in the Admin Console.

**Answer: D,E**

Explanation:

Google Workspace Login Audit: Login Audit logs track user sign-ins to your domain. These logs only record the login event. They don't record which system was used to perform the login action.

<https://cloud.google.com/logging/docs/audit/gsuite-audit-logging#services>

### NEW QUESTION # 115

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