

# PROFESSIONAL-CLOUD-SECURITY-ENGINEER<sup>Q&As</sup>

**Professional Cloud Security Engineer** 

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#### **QUESTION 1**

Your organization wants to be compliant with the General Data Protection Regulation (GDPR) on Google Cloud. You must implement data residency and operational sovereignty in the EU.

What should you do? (Choose two.)

- A. Limit the physical location of a new resource with the Organization Policy Service "resource locations constraint."
- B. Use Cloud IDS to get east-west and north-south traffic visibility in the EU to monitor intra-VPC and inter-VPC communication.
- C. Limit Google personnel access based on predefined attributes such as their citizenship or geographic location by using Key Access Justifications.
- D. Use identity federation to limit access to Google Cloud resources from non-EU entities.
- E. Use VPC Flow Logs to monitor intra-VPC and inter-VPC traffic in the EU.

Correct Answer: AC

https://cloud.google.com/architecture/framework/security/data-residency-sovereignty#manage\_your\_operational\_sovereignty

## **QUESTION 2**

An organization is starting to move its infrastructure from its on-premises environment to Google Cloud Platform (GCP). The first step the organization wants to take is to migrate its current data backup and disaster recovery solutions to GCP for later analysis. The organization\\'s production environment will remain on-premises for an indefinite time. The organization wants a scalable and cost-efficient solution.

Which GCP solution should the organization use?

- A. BigQuery using a data pipeline job with continuous updates
- B. Cloud Storage using a scheduled task and gsutil
- C. Compute Engine Virtual Machines using Persistent Disk
- D. Cloud Datastore using regularly scheduled batch upload jobs

Correct Answer: B

https://cloud.google.com/solutions/dr-scenarios-planning-guide#use-cloud-storage-as-part-of-your-daily- backup-routine

#### **QUESTION 3**

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.

Correct Answer: C

Reference: https://cloud.google.com/compute/docs/ip-addresses/reserve-static-external-ip-address https://cloud.google.com/resource-manager/docs/organization-policy/org-policy-constraints#constraints- for-specific-services

#### **QUESTION 4**

You are a consultant for an organization that is considering migrating their data from its private cloud to Google Cloud. The organization\\'s compliance team is not familiar with Google Cloud and needs guidance on how compliance requirements will be met on Google Cloud. One specific compliance requirement is for customer data at rest to reside within specific geographic boundaries. Which option should you recommend for the organization to meet their data residency requirements on Google Cloud?

- A. Organization Policy Service constraints
- B. Shielded VM instances
- C. Access control lists
- D. Geolocation access controls
- E. Google Cloud Armor

Correct Answer: A

https://cloud.google.com/resource-manager/docs/organization-policy/using-constraints#list-constraint

### **QUESTION 5**

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.

Correct Answer: B



Admin activity logs are always created to log entries for API calls or other actions that modify the configuration or metadata of resources. For example, these logs record when users create VM instances or change Identity and Access Management permissions.

Reference: https://cloud.google.com/iam/docs/audit-logging/examples-service-accounts

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