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QUESTION 1

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. Give this group the role of Service Account User.

C. Use a dedicated G Suite Admin account, and authenticate the application\'s operations with these G Suite credentials.

D. Create a new service account, and grant it G Suite domain-wide delegation. Have the application use it to impersonate the user.

Correct Answer: D

https://developers.google.com/admin-sdk/directory/v1/guides/delegation

QUESTION 2

A company is running their webshop on Google Kubernetes Engine and wants to analyze customer transactions in BigQuery. You need to ensure that no credit card numbers are stored in BigQuery What should you do?

A. Create a BigQuery view with regular expressions matching credit card numbers to query and delete affected rows.

B. Use the Cloud Data Loss Prevention API to redact related infoTypes before data is ingested into BigQuery.

C. Leverage Security Command Center to scan for the assets of type Credit Card Number in BigQuery.

D. Enable Cloud Identity-Aware Proxy to filter out credit card numbers before storing the logs in BigQuery.

Correct Answer: B

https://cloud.google.com/bigquery/docs/scan-with-dlp

Cloud Data Loss Prevention API allows to detect and redact or remove sensitive data before the comments or reviews are published. Cloud DLP will read information from BigQuery, Cloud Storage or Datastore and scan it for sensitive data.

QUESTION 3

You are consulting with a client that requires end-to-end encryption of application data (including data in transit, data in use, and data at rest) within Google Cloud. Which options should you utilize to accomplish this? (Choose two.)

A. External Key Manager

B. Customer-supplied encryption keys

C. Hardware Security Module

D. Confidential Computing and Istio

E. Client-side encryption

Correct Answer: DE

Google Cloud customers with additional requirements for encryption of data over WAN can choose to implement further protections for data as it moves from a user to an application, or virtual machine to virtual machine. These protections include IPSec tunnels, Gmail S/MIME, managed SSL certificates, and Istio. https://cloud.google.com/docs/security/encryption-in-transit

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QUESTION 4

You are on your company\\'s development team. You noticed that your web application hosted in staging on GKE dynamically includes user data in web pages without first properly validating the inputted data. This could allow an attacker to execute gibberish commands and display arbitrary content in a victim user\\'s browser in a production environment.

How should you prevent and fix this vulnerability?

A. Use Cloud IAP based on IP address or end-user device attributes to prevent and fix the vulnerability.

B. Set up an HTTPS load balancer, and then use Cloud Armor for the production environment to prevent the potential XSS attack.

C. Use Web Security Scanner to validate the usage of an outdated library in the code, and then use a secured version of the included library.

D. Use Web Security Scanner in staging to simulate an XSS injection attack, and then use a templating system that supports contextual auto-escaping.

Correct Answer: D

There is mention about simulating in Web Security Scanner. "Web Security Scanner cross-site scripting (XSS) injection testing *simulates* an injection attack by inserting a benign test string into user-editable fields and then performing various user actions." https://cloud.google.com/security-command-center/docs/ how-to-remediate-web-security-scanner-findings#xss Reference: https://cloud.google.com/security-scanner/docs/remediate-findings

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QUESTION 5

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.

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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

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