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1 / 6

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2 / 6

QUESTION 1

Your team is developing an ecommerce platform for your company. Users will log in to the website and add items to their shopping cart. Users will be automatically logged out after 30 minutes of inactivity. When users log back in, their shopping cart should be saved. How should you store users\\' session and shopping cart information while following Google-recommended best practices?

A. Store the session information in Pub/Sub, and store the shopping cart information in Cloud SQL.

B. Store the shopping cart information in a file on Cloud Storage where the filename is the SESSION ID.

C. Store the session and shopping cart information in a MySQL database running on multiple Compute Engine instances.

D. Store the session information in Memorystore for Redis or Memorystore for Memcached, and store the shopping cart information in Firestore.

Correct Answer: D

QUESTION 2

Your team is building an application for a financial institution. The application\\'s frontend runs on Compute Engine, and the data resides in Cloud SQL and one Cloud Storage bucket. The application will collect data containing PII, which will be stored in the Cloud SQL database and the Cloud Storage bucket. You need to secure the PII data. What should you do?

A. 1) Create the relevant firewall rules to allow only the frontend to communicate with the Cloud SQL database 2) Using IAM, allow only the frontend service account to access the Cloud Storage bucket

B. 1) Create the relevant firewall rules to allow only the frontend to communicate with the Cloud SQL database 2) Enable private access to allow the frontend to access the Cloud Storage bucket privately

C. 1) Configure a private IP address for Cloud SQL 2) Use VPC-SC to create a service perimeter 3) Add the Cloud SQL database and the Cloud Storage bucket to the same service perimeter

D. 1) Configure a private IP address for Cloud SQL 2) Use VPC-SC to create a service perimeter 3) Add the Cloud SQL database and the Cloud Storage bucket to different service perimeters

Correct Answer: C

QUESTION 3

Your company has a data warehouse that keeps your application information in BigQuery. The BigQuery data warehouse keeps 2 PBs of user data. Recently, your company expanded your user base to include EU users and needs to comply with these requirements:

Your company must be able to delete all user account information upon user request.

All EU user data must be stored in a single region specifically for EU users.

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3 / 6

Which two actions should you take? (Choose two.)

A. Use BigQuery federated queries to query data from Cloud Storage.

B. Create a dataset in the EU region that will keep information about EU users only.

C. Create a Cloud Storage bucket in the EU region to store information for EU users only.

D. Re-upload your data using to a Cloud Dataflow pipeline by filtering your user records out.

E. Use DML statements in BigQuery to update/delete user records based on their requests.

Correct Answer: CE

Reference: https://cloud.google.com/solutions/bigquery-data-warehouse

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QUESTION 4

This architectural diagram depicts a system that streams data from thousands of devices. You want to ingest data into a pipeline, store the data, and analyze the data using SQL statements. Which Google Cloud services should you use for steps 1, 2, 3, and 4?

A.
```
livenessProbe:
    httpGet:
        path: /healthz
        port: 80
```

B.
```
readinessProbe:
    httpGet:
        path: /healthz
        port: 80
```

C.
```
loadbalancerHealthCheck:
    httpGet:
        path: /healthz
        port: 80
```

D.
```
healthCheck:
    httpGet:
        path: /healthz
        port: 80
```

A. 1) App Engine 2) Pub/Sub 3) BigQuery 4) Firestore

B. 1) Dataflow 2) Pub/Sub 3) Firestore 4) BigQuery

C. 1) Pub/Sub 2) Dataflow 3) BigQuery 4) Firestore

D. 1) Pub/Sub 2) Dataflow 3) Firestore 4) BigQuery

Correct Answer: D

QUESTION 5

You have been tasked with planning the migration of your company\\\'s application from on-premises to Google Cloud.
Your company\\\'s monolithic application is an ecommerce website. The application will be migrated to microservices

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5 / 6

deployed on Google Cloud in stages. The majority of your company\\\'s revenue is generated through online sales, so it is important to minimize risk during the migration. You need to prioritize features and select the first functionality to migrate. What should you do?

A. Migrate the Product catalog, which has integrations to the frontend and product database.

B. Migrate Payment processing, which has integrations to the frontend, order database, and third-party payment vendor.

C. Migrate Order fulfillment, which has integrations to the order database, inventory system, and third-party shipping vendor.

D. Migrate the Shopping cart, which has integrations to the frontend, cart database, inventory system, and payment processing system.

Correct Answer: A

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