Google Cloud-Digital-Leader Practice Questions

Shared by Rollins on 24-08-2026

For More Free Questions and Preparation Resources

Check the Links on Last Page

Question 1

Question Type: MultipleChoice

In terms of Dockers and Kubernetes, which of the following statements are correct?

Options:

A- Kubernetes uses Docker to deploy, manage, and scale containerized applications.
B- Difference between Docker and Kubernetes relates to the role each play in con-tainerizing and running your applications
C- Kubernetes can be used with or without Docker.
D- All of the above.

Answer:

D

Explanation:

Kubernetes vs. Docker

Often misunderstood as a choice between one or the other, Kubernetes and Docker are different yet complementary technologies for running containerized applications.

Docker lets you put everything you need to run your application into a box that can be stored and opened when and where it is required. Once you start boxing up your applications, you need a way to manage them; and that's what Kubernetes does.

Kubernetes is a Greek word meaning 'captain' in English. Like the captain is responsible for the safe journey of the ship in the seas, Kubernetes is responsible for carrying and delivering those boxes safely to locations where they can be used.

-Kubernetes can be used with or without Docker.

-Docker is not an alternative to Kubernetes, so it's less of a ''Kubernetes vs. Docker'' question. It's about using Kubernetes with Docker to containerize your applications and run them at scale.

-The difference between Docker and Kubernetes relates to the role each play in containerizing and running your applications.

-Docker is an open industry standard for packaging and distributing applications in containers.

-Kubernetes uses Docker to deploy, manage, and scale containerized applications.

Question 2

Question Type: MultipleChoice

What is a defining feature of a non-relational database?

Options:

A- Repotting across multiple data sources
B- Queries that join multiple tables
C- A strictly enforced schema
D- A flexible data model

Answer:

D

Question 3

Question Type: MultipleChoice

Customer Managed Encryption Keys (CMEK) can be used for encrypting data inside Cloud BigTable, which of the following statements is/are correct. (Select two answer)

Options:

A- Administrators can not rotate
B- Not supported for instances that have clustered in more than one region.
C- CMEK can only be configured at the cluster level.
D- You can not use the same CMEK key in multiple projects

Answer:

B, C

Explanation:

Customer-managed encryption keys for Cloud BigTable.

By default, all the data at rest in Cloud Bigtable is encrypted using Google's default encryption. Bigtable handles and manages this encryption for you without any additional action on your

part.

If you have specific compliance or regulatory requirements related to the keys that protect your data, you can use customer-managed encryption keys (CMEK) for BigTable. Instead of Google managing the encryption keys that protect your data, your BigTable instance is protected using a key that you control and manage in Cloud Key Management Service (Cloud KMS).

Features

Security: CMEK provides the same level of security as Google's default encryption but provides more administrative control.

Data access control: Administrators can rotate, manage access to, and disable or destroy the key used to protect data at rest in BigTable .

Auditability:All actions on your CMEK keys are logged and viewable in Cloud Logging.

Comparable performance:BigTable CMEK-protected instances offer comparable performance to BigTable instances that use Google default encryption.

Flexibility:You can use the same CMEK key in multiple projects or instances or you can use separate keys, depending on your business needs.

Question 4

Question Type: MultipleChoice

Your application is onboarding a number of users. The details of the users very widely. What kind of database would be most suitable for this use case?

Options:

A- NoSQL database like Firestore
B- OLAP database like BigQuery which support SQL
C- SQL database like MySQL or PostgreSQL
D- OLTP database like Cloud Spanner

Answer:

A

Explanation:

Explanation

1. NoSQL databases are best suited for this use case. Firestore is an appropriate one to use here

2. Cloud Firestore is a NoSQL document database that lets you easily store, sync, and query data for your mobile and web apps - at global scale.

Question 5

Question Type: MultipleChoice

An organization wants to build an entirely new infrastructure and applications in the cloud.

Which application modernization approach should the organization use?

Options:

A- Move the application to the cloud, and then change it.
B- Change their application, and then move it to the cloud.
C- Invent in greenfield.
D- Invent in brownfield.

Answer:

C

Explanation:

A Greenfield approach is a brand-new implementation , where companies then add their needed configurations and customizations. This approach provides a clean slate to start from, does not carry over needless customizations and technical debt, and provides a solid foundation for business process re-engineering.

A greenfield deployment is the design, installation and configuration of computer infrastructure where none existed before, for example, in a new office. In contrast, a brownfield deployment is an upgrade or addition to existing infrastructure using legacy components.

Question 6

Question Type: MultipleChoice

An organization wants to leverage tooling and automation as part of its new DevOps philosophy.

Which operational challenge will this resolve?

Options:

A- Repetitive manual tasks that hinder workflows
B- Time-consuming supervision of creative tasks
C- Distribution and supply-chain issues
D- Defective technical equipment that limits innovation

Answer:

A

Question 7

Question Type: MultipleChoice

An organization wants to add a new function to their application. They want to write the code and let the public cloud provider handle the infrastructure.

Which infrastructure solution should they use?

Options:

A- Virtual machines
B- Bare Metal Solution
C- Serverless computing
D- Container Registry

Answer:

C

Explanation:

Serverless computing , as public cloud prouder(eg. google) will mange the infra things

Question 8

Question Type: MultipleChoice

Which option best statements describe the features of a preemptible VM in-stance? (Select Three Answer)

Options:

A- Instance is alive for no more than 12 hours
B- Can be pre-empted with a 30 minute notice
C- Can be pre-empted with a 30 second notice
D- Discounted Significantly
E- Instance is alive for no more than 24 hours
F- Can use free tier credits

Answer:

C, D, E

Explanation:

Instance is alive for no more than 24 hours, Can be pre-empted with a 30 second notice, Discounted Significantly.

Preemptible VM is an instance that you can create and run at a lower cost than normal instances.

However, Compute Engine might stop (pre-empt) these instances if it requires access to those resources for other tasks. Preemptible instances are excess Compute Engine capacity, so their availability varies with usage.

Live at most 24 hours Can be pre-empted with a 30 second notification via API and are Discounted significantly

Reference link-https://cloud.google.com/compute/docs/instances/preemptible

Question 9

Question Type: MultipleChoice

You have contracted a partner to conduct some medical trials. This is a limited, 2-month

contract. At the end of each day, you are expecting about 10 Gbs of dat

a. The data is highly sensitive. What networking option would you employ?

Options:

A- As the name indicates, set up Partner Interconnect with your partner company.
B- Setup Dedicated Interconnect with your partner.
C- Setup Cloud VPN and create an IPsec VPN tunnel with your partner.
D- Create a public IP for a VM and share that with your partners so that they can access it over the internet and share the data.

Answer:

C

Explanation:

'Cloud VPN securely extends your peer network to Google's network through an IPsec VPN tunnel. Traffic is encrypted and travels between the two networks over the public internet. Cloud VPN is useful for low-volume data connections. For additional connection options, see the Hybrid Connectivity product page.'

Question 10

Question Type: MultipleChoice

A vacation home rental organization wants to predict the popularity of properties in their upcoming busy season. They do not have a data science team, and want to use their in-house database administration skills to create a machine learning model. What should the organization do?

Options:

A- Use custom training in Vertex Al with TensorFlow.
B- Use BigQuery ML and create models using SQL.
C- Build a model in AutoML using labeled data.
D- Integrate pre-trained APIs into their application.

Answer:

B

Explanation:

The correct answer is B. Use BigQuery ML and create models using SQL. Here's why:

Context of the Questio n : The organization wants to predict property popularity for the upcoming busy season but does not have a data science team and relies on in-house database administration skills.

Google Cloud Product Relevance:

BigQuery ML enables data analysts and database administrators to build and run machine learning models using SQL queries directly within BigQuery. This makes it accessible to users familiar with SQL, eliminating the need for advanced data science skills.

BigQuery ML is ideal for this organization since it allows them to leverage their existing SQL skills to build predictive models without the complexity of custom machine learning frameworks or coding in languages like Python.

Why Not Other Options:

A . Use custom training in Vertex AI with TensorFlow: This requires expertise in TensorFlow and machine learning, which the organization lacks.

C . Build a model in AutoML using labeled data: AutoML does simplify the ML model-building process but still requires more knowledge than basic SQL. Also, BigQuery ML allows the use of existing SQL skills, which is preferred in this scenario.

D . Integrate pre-trained APIs into their application: Pre-trained APIs are suitable for common use cases like image recognition or natural language processing, not for custom predictions based on unique data like property popularity.

Google Cloud Digital Leader Reference:

Refer to BigQuery ML documentation for more details on using SQL to create and use ML models.