CLOUD-DIGITAL-LEADER^{Q&As}

Cloud Digital Leader

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QUESTION 1

An employee receives an email from their internet service provider asking for their bank account number and password. Which cybersecurity threat is this?

- A. Ransomware
- B. Distributed Denial of Service
- C. Spamming
- D. Phishing

Correct Answer: D

The difference between spam and phishing is that, while they both may be inbox-clogging nuisances, only one (phishing) is actively aiming to steal login credentials and other sensitive data. Spam is a tactic for hawking goods and services by sending unsolicited emails to bulk lists

QUESTION 2

A large travel company has thus far invested heavily in their technology team. There is strategic pressure on the company to focus on their core business and innovate to survive in certain geogra-phies and thrive in others. They are evaluating whether a move to Google Cloud will be good for them. Which of these reasons would be relevant for them? (choose two answer)

- A. Application architecture won\\'t be too involved because of serverless options.
- B. The IT team won\\'t have to manage software upgrades, security patches, etc. for the VMs.
- C. The IT team won\\'t have to work on procuring and provisioning new hardware and refreshes to existing hardware.
- D. Budgeting won\\'t be an issue since the cloud takes care of billing.

Correct Answer: BC

QUESTION 3

An organization has collected petabytes of historical data. They need an advanced analysis solution that is fast, scalable, and fully managed. Which Google product or service should the organization use?

- A. BigQuery
- B. Cloud SQL
- C. Firestore
- D. Cloud Storage



Correct Answer: A

QUESTION 4

Virtual Machine vCPU and memory usage for each of these categories can receive one of the following discounts? (Select Three Answer)

- A. Military Discounts
- B. Spot Instances
- C. Committed-Use
- D. Sustained-Use
- E. Preemptible VMs

Correct Answer: CDE

Sustained, Committed and Preemptible

vCPU and memory usage for each of these categories can receive discounts

VM vCPU and memory usage for each of these categories can receive discounts

Sustained-use discounts--Google offers up to 30% off for workloads that run for most of the billing month on GCP services.

Committed-use discounts--users can save up to 57% by committing to use an instance for a certain time period, with no upfront payment and with the flexibility to change instances during the commitment period.

Preemptible VMs--similar to the concept of AWS spot instances, Google offers up to 79% off for Virtual Machines that may be shut down at any time and replaced by others.

Reference link

https://cloud.google.com/compute/docs/sustained-use-discounts Reference link

https://cloud.google.com/compute/docs/instances/signing-up-committed-use-discounts

https://cloud.google.com/compute/docs/instances/preemptible

QUESTION 5

An organization stores backup files in Cloud Storage. The files will be accessed annually to test the disaster recovery plans. Which storage class is the most cost-effective?

- A. Coldline class
- B. Standard class
- C. Nearline class



D. Archive class

Correct Answer: D

QUESTION 6

Considering Google Cloud Storage different Options which of the following is / are correct on the basis of their real world use cases?

A. Cloud Storage: Images, Large Media, files, backups.

B. Google Cloud BigTable : AdTech, Financial and IoT Data.

C. Cloud SQL: User Credentials, customer orders.

D. All of the Above.

Correct Answer: D

Cloud Datastore is the best for semi-structured application data that is used in app engines\\' applications. Bigtable is best for analytical data with heavy read/write events like AdTech, Financial or IoT data. Cloud Storage is best for structured and unstructured, binary or object data like images, large media files and backups. SQL is best for web frameworks and in existing applications like storing user credentials and customer orders. Cloud Spanner is best for large scale database applications that are larger than two terabytes; for example, for financial trading and e-commerce use cases. As I mentioned at the beginning of the module, depending on your application, you might use one or several of these services to get the job done.

QUESTION 7

An organization is hosting an application in Europe, and customers in Asia are reporting slow response times despite their fast internet connection. What is the problem?

- A. Not enough application servers
- B. Network bandwidth
- C. Network latency
- D. Misconfigured application servers

Correct Answer: C

QUESTION 8

Which of the following is / are true for Preemptible Instances.

- A. Preemptible Instances have no Service Level Agreement (Compute Engine SLA).
- B. Google Cloud Free Tier credits for compute engine do not apply to preemptible in-stances.
- C. Preemptible instances can\\'t live migrate to a regular VM instance, or be set to au-tomatically restart when there is a



maintenance event.

D. All of the above.

Correct Answer: D

Preemptible instances function like normal instances but have the following limitations:

-> Compute Engine might stop preemptible instances at any time due to system events. The probability that Compute Engine will stop a preemptible instance for a system event is generally low, but might vary from day to day and from zone to

zone depending on current conditions.

- -> Compute Engine always stops preemptible instances after they run for 24 hours. Certain actions reset this 24-hour counter.
- -> Preemptible instances are finite Compute Engine resources, so they might not always be available.
- -> Preemptible instances can\\'t live migrate to a regular VM instance, or be set to automatically restart when there is a maintenance event. -> Due to the above limitations, preemptible instances are not covered by any Service Level

Agreement (and, for clarity, are excluded from the Compute Engine SLA).

-> The Google Cloud Free Tier credits for Compute Engine do not apply to preemptible instances.

QUESTION 9

Your organization is developing and deploying an application on Google Cloud. Tracking your Google Cloud spending needs to stay as simple as possible.

What should you do to ensure that workloads in the development environment are fully isolated from production workloads?

- A. Apply a unique tag to development resources
- B. Associate the development resources with their own network
- C. Associate the development resources with their own billing account
- D. Put the development resources in their own project

Correct Answer: D

Reference: https://www.deps.co/blog/google-cloud-platform-good-bad-ugly/

Project resources are components that are necessary for successful project implementation. They include people, equipment, money, time, knowledge ?basically, anything that you may require from the project planning to the project delivery phases.

QUESTION 10

An organization wants to use Apigee to manage all their application programming interfaces (APIs). What will Apigee



enable the organization to do?

- A. Increase application privacy
- B. Measure and track API performance Most Voted
- C. Analyze application development speed
- D. Market and sell APIs

Correct Answer: B

Apigee\\'s API Monitoring enables you to track your APIs to make sure they are up and running correctly. API Monitoring provides near real-time insights into API traffic and performance, to help you quickly diagnose and solve issues as they arise

Apigee works with APIs not necessarily applications. It allows organizations to gain actionable insights across the entire API value chain and monetize API products and maximize the business value of digital assets. https://cloud.google.com/apigee#section-11

QUESTION 11

Your company has signed up with a cloud provider and you will be using storage and vir-tual machines with the provider. The provider has provided your organization some expec-tations for what the service should perform at. What type of agreement provides a guar-antee of a certain level of service such as "Uptime"?

- A. Performance Agreement
- B. Interconnection Agreement
- C. Warranty
- D. Service Level Agreement

Correct Answer: D

Service Level Agreement (SLA)

A service level agreement (SLA) is a contract between a service provider (either internal or external) and the end user that defines the level of service expected from the service provider. Some common SLA\\'s are uptime, Response Time, etc.

QUESTION 12

An organization is using machine learning to make predictions. One of their datasets mistakenly includes mislabeled data. How will the prediction be impacted?

- A. Increased risk of privacy leaks
- B. Increased risk of inaccuracy
- C. Decreased model compatibility



D. Decreased model training time

Correct Answer: B

Mislabeled data can introduce errors and inconsistencies into the training process, which can lead to inaccurate predictions. When the model learns from mislabeled examples, it may develop incorrect patterns or associations, compromising its ability to make accurate predictions on new, unseen data.

QUESTION 13

Considering Different Storage and database options e.g. Cloud Datastore, Cloud SQL, Cloud Stor-age, etc. Which of the following statements is/are correct? (Select two answer)

- A. Cloud DataStore and Cloud SQL have Terabytes + and Terabytes Capacity respec-tively.
- B. Cloud Bigtable and Cloud Storage both have Petabytes + capacity.
- C. Cloud Bigtable and Cloud Storage both have not Petabytes + capacity.
- D. None of the above.

Correct Answer: AB

QUESTION 14

An organization decides to migrate their on-prenwses environment to the cloud They need to determine which resource components still need to be assigned ownership Which two functions does a public cloud provider own? (Choose 2)

- A. Fixing application security issues
- B. Infrastructure architecture
- C. Hardware capacity management
- D. Hardware maintenance
- E. Infrastructure deployment automation

Correct Answer: CD

QUESTION 15

An organization is struggling to meet user demand for change and wants to modernize their legacy applications by moving the applications to the cloud Why would this help the organization satisfy user expectations\\'?

- A. Toil automation helps make automatic updates
- B. Updates can be pushed out more quickly to repair bugs
- C. Customer data can be used to offer tailored content



D. DevOps requires that industry trends be measured and tracked

Correct Answer: B

Moving legacy applications to the cloud can help organizations satisfy user expectations by enabling them to push out updates more quickly to repair bugs.

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