Google

Exam Questions Cloud-Digital-Leader

Google Cloud Digital Leader exam

NEW QUESTION 1
- (Exam Topic 2)
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

Answer: D

Explanation:
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.

NEW QUESTION 2
- (Exam Topic 2)
A developer in your IT team is cheating a bucket on Cloud Storage. He is receiving an error that the bucket name already exists. He has checked his project and the few other pro-jects in the organization, The name seems to be entirely unique, What would be the is-sue?

A. Bucket names ignore any "." in the nam
B. Look for similar bucket names that have a "." in it.
C. Previously deleted bucket names in the same project cannot be reuse
D. There must have been an older bucket with the same name.
E. Bucket names in Cloud storage have to be globally unique
F. Bucket name are case insensitive- look for bucket name in your org that have a different capitalization.

Answer: C

Explanation:
Bucket names have to be unique across Google Cloud Platform [GCP], Including other organizations and projects.

NEW QUESTION 3
- (Exam Topic 2)
You have experimented with Google Cloud using your own credit card and expensed the costs to your company. Your company wants to streamline the billing process and charge the costs of your projects to their monthly invoice. What should you do?

A. Grant the financial team the IAM role of €Billing Account User€ on the billing ac-count linked to your credit card.
B. Change the billing account of your projects to the billing account of your company.
C. Create a ticket with Google Billing Support to ask them to send the invoice to your company.
D. Set up BigQuery billing export and grant your financial department IAM access to query the data.

Answer: B

Explanation:
To change the Cloud Billing account for a project, you need to be able to move a project from one Cloud Billing account to another. To accomplish this task, you need permissions adequate to unlink the project from the existing Cloud Billing account AND to link the project to the target Cloud Billing account. Roles with adequate permissions to perform this task: Project Owner or Project Billing Manager on the project, AND Billing Account Administrator or Billing Account User for the target Cloud Billing account
Graphical user interface, text, application, email Description automatically generated

A Cloud Billing account is used to define who pays for a given set of resources, and it can be linked to one or more projects. Project usage is charged to the linked Cloud Billing account.

If you are a billing administrator on only one Cloud Billing account, new projects you create are automatically linked to your existing Cloud Billing account. If you create or have access to multiple Cloud Billing accounts, you can change the Cloud Billing account a project is billed to. This article describes how to change the Cloud Billing account for your project, as well as how to enable and disable billing for a project.

Reference link- https://cloud.google.com/billing/docs/how-to/modify

NEW QUESTION 4
- (Exam Topic 2)
You are running a data warehouse on BigQuery. A partner company is offering a recommendation engine based on the data in your data warehouse. The partner company is also running their applica-tion on Google Cloud. They manage the resources in their own project, but they need access to the BigQuery dataset in your project. You want to provide the partner company with access to the da-taset. What should you do?

A. Ask the partner to create a Service Account in their project, and have them give the Service Account access to BigQuery in their project.
B. Create a Service Account in your own project, and grant this Service Account ac-cess to BigQuery in your project.
C. Create a Service Account in your own project, and ask the partner to grant this Service Account access to BigQuery in their project.
D. Ask the partner to create a Service Account in their project, and grant their Service Account access to the BigQuery dataset in your project.

Answer: D

Explanation:
- if the need is to authenticate the application to access your dataset, it's the application's serice account that will be provided during the authentication, so the service account is to be created at their side to run the application

NEW QUESTION 5
- (Exam Topic 2)
Keeping Flavours of Apigee in mind, which of the following statements is/are correct?

A. A hybrid version consisting of a runtime plane installed on-premises or in a cloud provider of your choice, and a management plane running in Apigee's clou
B. In this model, API traffic and data are confined within your own enterprise-approved boundaries.
C. A hosted SaaS version in which Apigee maintains the environment, allowing you to concentrate on building your services and defining the APIs to those services.
D. There are two types of Flavours in Apigee i.
E. Apigee & Apigee Hybrid.
F. All of the above are correct.

Answer: D

Explanation:

Flavors of Apigee
Apigee comes in the following flavors:
Apigee: A hosted SaaS version in which Apigee maintains the environment, allowing you to concentrate on building your services and defining the APIs to those services.
Apigee hybrid: A hybrid version consisting of a runtime plane installed on-premises or in a cloud provider of your choice, and a management plane running in Apigee's cloud. In this model, API traffic and data are confined within your own enterprise-approved boundaries.

NEW QUESTION 6
- (Exam Topic 2)
Which of the following storage options should you use when your company is using Cloud Storage to store application backup files for disaster recovery purposes, provided you want to follow Goog-le's recommended practices.

A. Multi-Regional Storage
B. Coldline storage
C. Nearline Storage
D. Regional Storage

Answer: B

Explanation:
Coldline storage is a very low cost highly durable storage service for data archiving, online backup, and disaster recovery. Coldline storage is the best choice for data that you plan to access at most once a year due to its slightly lower availability, 90 day minimum storage duration cost for data access, and higher per operation costs.
Nearline and Coldline are for backup and archival storage and having the highest availability for both with 99.9 percent.

NEW QUESTION 7
- (Exam Topic 2)
You have a well established development and operations team. Your teams were managing the en-tire software delivery/deployment cycle on-premise. When migrating to the cloud, you want to con-tinue having this approach. Which is the ideal option for you?

A. PaaS - Platform as a Service
B. SaaS - Software as a Service
C. IDaaS - Identity as a Service
D. IaaS - Infrastructure as a Service

Answer: D

Explanation:
IaaS - you're given virtualized resources like VMs, Storage, Network. It is your responsibility to manage everything beyond that. This would be similar to what the organization had on-premise.

NEW QUESTION 8
- (Exam Topic 2)
What cloud deployment model is generally deployed between organizations such as non-profits, hospitals or even enterprises that share similar requirements or interests?

A. Hybrid
B. Community
C. Private
D. Public

Answer: B

Explanation:
Community Cloud – The cloud infrastructure is planned for selective use by a particular community of consumers from organizations that have mutual interests like security needs, policy, and compliance considerations.

Reference link- https://csrc.nist.gov/glossary/term/community_cloud

NEW QUESTION 9
- (Exam Topic 2)
A customer in the European Union region is very clear that their data should not go outside the Eu-ropean Union. Their end users are spread all over the European U. They have to choose a storage option that serves all the users within Asia via web browsers as quickly as possible. Which storage option will work for them?

Multi-Region Name	Multi-Region Description
ASIA	Data centers in Asia
EU	Data centers within member states ⧉ of the European Union*
US	Data centers in the United States

A. Cloud Storage with a single region that is known to be within the European U
B. Cloud Filestore is connected to virtual machines which are guaranteed to be within the European U
C. Cloud Storage with the multi-region option of European U
D. Cloud Storage with the dual-region option of European U

Answer: C

Explanation:
Multi-region option will use multiple datacenters that are within the European Union. More regions will also help with lower latency since users are spread across the European U.
https://cloud.google.com/storage/docs/locations#considerations

NEW QUESTION 10
- (Exam Topic 2)
An organization wants to evaluate the performance of their entire cloud infrastructure, including metrics like server uptime and response rate reports. Which Google Cloud tool should the organi-zation use?

A. Cloud Trace
B. Cloud Monitoring
C. Cloud Profiler
D. Cloud Debugger

Answer: B

Explanation:
Because Cloud Monitoring enables users to monitor the performance of their entire cloud infrastructure.

NEW QUESTION 10
- (Exam Topic 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, et
C. for the VMs.
D. The IT team won't have to work on procuring and provisioning new hardware and refreshes to existing hardware.
E. Budgeting won't be an issue since the cloud takes care of billing.

Answer: BC

NEW QUESTION 12
- (Exam Topic 1)
Your large and frequently changing organization's user information is stored in an on-premises LDAP database. The database includes user passwords and group and organization membership.
How should your organization provision Google accounts and groups to access Google Cloud resources?

A. Replicate the LDAP infrastructure on Compute Engine
B. Use the Firebase Authentication REST API to create users
C. Use Google Cloud Directory Sync to create users
D. Use the Identity Platform REST API to create users

Answer: C

Explanation:
You can run a single instance of Google Cloud Directory Sync to synchronize user accounts and groups to Google Cloud.
Reference: https://cloud.google.com/architecture/identity/federating-gcp-with-active-directory-introduction Text Description automatically generated
https://support.google.com/a/answer/106368?hl=en

NEW QUESTION 15
- (Exam Topic 1)
A fitness band company is continuously ingesting data from millions of its consumers. Different kinds of data based on time, like location, heartbeat rate, temperature, movement, etc. are connect-ed. They need a high throughput database that can write data very fast. Since their users are spread across the world, they need the database to be geographically scalable. Consumers also want to see near-real-time visualizations of their activities. Which of these databases would be a good fit?

A. Cloud SQL
B. Bigtable
C. Spanner
D. Firestore

Answer: B

Explanation:
Bigtable is the best suited for time series data. It also has high read-write throughput and ability to scale globally.

NEW QUESTION 19
- (Exam Topic 1)
How should a multinational organization that is migrating to Google Cloud consider security and privacy regulations to ensure that it is in compliance with global standards?

A. Comply with data security and privacy regulations in each geographical region
B. Comply with regional standards for data security and privacy, because they supersede all international regulations
C. Comply with international standards for data security and privacy, because they supersede all regional regulations
D. Comply with regional data security regulations, because they're more complex than privacy standards

Answer: A

Explanation:
Comply with data security and privacy regulations in each geographical region For a multi-national corporation, they need to abide not just by international laws, but also regional laws where they do business.

NEW QUESTION 24
- (Exam Topic 1)
Your company's development team is building an application that will be deployed on Cloud Run. You are designing a CI/CD pipeline so that any new version of the application can be deployed in the fewest number of steps possible using the CI/CD pipeline you are designing. You need to select a storage location for the images of the application after the CI part of your pipeline has built them.
What should you do?

A. Create a Compute Engine image containing the application
B. Store the images in Container Registry
C. Store the images in Cloud Storage
D. Create a Compute Engine disk containing the application

Answer: B

Explanation:
Reference: https://cloud.google.com/container-registry/docs/pushing-and-pulling

NEW QUESTION 25
- (Exam Topic 1)
Which of the following is/are true about Bare Metal Solutions?

A. Enterprise-grade deployment platform
B. All your existing investment in tooling and best practices will work as is
C. Continue to run any version, and feature set, any database option, and any cus-tomizations (patchsets)
D. All of the Above.

Answer: D

Explanation:
Bare Metal Solution for Oracle
Bring your Oracle workloads to Google Cloud with Bare Metal Solution and jumpstart your cloud journey with minimal risk.
- Continue to run any version, any feature set, any database option, and any customizations (patchsets)
- Enterprise-grade deployment platform
- High availability with Oracle RAC
- Works with any application, any Oracle versions
- All your existing investment in tooling and best practices will work as is

NEW QUESTION 26
- (Exam Topic 1)
Your organization runs an application on virtual machines in Google Cloud. This application processes incoming images. This activity takes hours to create a result for each image. The workload for this application normally stays at a certain baseline level, but at regular intervals it spikes to a much greater workload. Your organization needs to control the cost to run this application.
What should your organization do?

A. Purchase committed use discounts for the baseline load

B. Purchase committed use discounts for the expected spike load
C. Leverage sustained use discounts for your virtual machines
D. Run the workload on preemptible VM instances

Answer: C

Explanation:
The idea of the Sustained Use discount is that the longer you run a VM instance in any given month, the bigger discount you will get from the list price.
Reference: https://www.parkmycloud.com/blog/google-sustained-use-discounts/

NEW QUESTION 29
- (Exam Topic 1)
Your manager wants to restrict communication of all virtual machines with internet access; with resources in another network; or with a resource outside Compute Engine. It is expected that different teams will create new folders and projects in the near future.
How would you restrict all virtual machines from having an external IP address?

A. Define an organization policy at the root organization node to restrict virtual machine instances from having an external IP address
B. Define an organization policy on all existing folders to define a constraint to restrict virtual machine instances from having an external IP address
C. Define an organization policy on all existing projects to restrict virtual machine instances from having an external IP address
D. Communicate with the different teams and agree that each time a virtual machine is created, it must be configured without an external IP address

Answer: A

Explanation:
Reference: https://cloud.google.com/resource-manager/docs/organization-policy/overview

NEW QUESTION 32
- (Exam Topic 1)
An organization currently stores its data on-premises and they receive different levels of traffic on their website every month. How could the organization benefit from modernizing their infrastructure with cloud technology?

A. They can rely on the cloud provider for all website source code.
B. Agile storage scalability.
C. 100% service availability.
D. They can shift from heavy operational expenditure to a capital expenditure model.

Answer: B

Explanation:
Organizations can scale in the cloud by paying for what they use, when they use it.

NEW QUESTION 33
- (Exam Topic 1)
An organization wants to dynamically adjust its application to serve different user needs. What are the benefits of storing their data in the cloud for this use case?

A. Data can be stored in archive for long term access
B. Automatic data cleaning and validation
C. Real-time data ingestion and analysis
D. No data access management required

Answer: C

Explanation:

By storing their application data in the cloud the organization will be able to gather and analyze user behavior data in real-time. This will enable them to dynamically adjust their application for different user needs.

NEW QUESTION 36
- (Exam Topic 1)
An organization wants to move from a strategic cloud adoption maturity level to a trans-formational one. How should the organization change the way they scale?

A. None of these
B. Deploy changes when problems arise.
C. Deploy changes programmatically.
D. Review changes manually.

Answer: C

Explanation:
Because automation is a transformational approach which ensures changes are constant and low-risk.

NEW QUESTION 38
- (Exam Topic 1)
Your organization needs to build streaming data pipelines. You don't want to manage the individual servers that do the data processing in the pipelines. Instead, you want a managed service that will automatically scale with the amount of data to be processed.
Which Google Cloud product or feature should your organization choose?

A. Pub/Sub
B. Dataflow
C. Data Catalog
D. Dataprep by Trifacta

Answer: B

Explanation:
Reference: https://cloud.google.com/dataflow/docs/guides/deploying-a-pipeline
Reference link- https://cloud.google.com/dataflow/docs/guides/deploying-a-pipeline

NEW QUESTION 39
- (Exam Topic 1)
Your organization needs to process large amounts of data from an online application that operates continuously. You do not want to be required to provision infrastructure or create server clusters. What should your organization choose?

A. Compute Engine with BigQuery
B. Dataproc
C. Google Kubernetes Engine with Cloud Bigtable
D. Dataflow

Answer: D

Explanation:
You do not want to be required to provision infrastructure or create server clusters. Because Unified stream and batch data processing that's serverless, fast, and cost-effective.
Reference link- https://cloud.google.com/dataflow

NEW QUESTION 43
- (Exam Topic 1)
An organization's applications run on an inflexible, on-premises architecture. The organization has decided to modernize their existing applications with the cloud. What may have prompted this business decision?

A. Developers want cloud providers to take full control of their application performance.
B. IT managers want cloud providers to automatically deploy their infrastructure.
C. IT managers want to stop making gradual changes.
D. Developers want to test ideas and experiment with more ease.

Answer: D

Explanation:
Modernizing applications means they can make alterations and innovate more easily.

NEW QUESTION 47
- (Exam Topic 1)
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?

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:
* 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.

NEW QUESTION 52
- (Exam Topic 1)
What conditions be true if a VM interface wants to send packets to the external IP addresses of Google APIs and services using Private Google Access?

A. VM interface does not have an external IP address assigned.
B. VM interface is connected to a subnet where Private Google Access is disabled
C. Both A and B
D. None of the Above.

Answer: A

Explanation:
A VM interface can send packets to the external IP addresses
Google Access if all these conditions are met:
of Google APIs and services using Private
- The VM interface is connected to a subnet where Private Google Access is enabled.
- The VPC network that contains the subnet meets the network requirements for Google APIs and services.
- The VM interface does not have an external IP address assigned.
- The source IP address of packets sent from the VM matches the VM interface's primary internal IP address or an internal IP address from an alias IP range.
A VM with an external IP address assigned to its network interface doesn't need Private Google Access to connect to Google APIs and services. However, the

VPC network must meet the requirements for accessing Google APIs and services.

NEW QUESTION 57
- (Exam Topic 1)
Your organization stores highly sensitive data on-premises that cannot be sent over the public internet. The data must be processed both on-premises and in the cloud.
What should your organization do?

A. Configure Identity-Aware Proxy (IAP) in your Google Cloud VPC network
B. Create a Cloud VPN tunnel between Google Cloud and your data center
C. Order a Partner Interconnect connection with your network provider
D. Enable Private Google Access in your Google Cloud VPC network

Answer: C

Explanation:
After the service provider provisions your connection, you can start passing traffic between your networks by using the service provider's network.
Reference: https://cloud.google.com/network-connectivity/docs/interconnect/concepts/partner-overview

NEW QUESTION 60
- (Exam Topic 1)
Your organization runs a distributed application in the Compute Engine virtual machines. Your organization needs redundancy, but it also needs extremely fast communication (less than 10 milliseconds) between the parts of the application in different virtual machines.
Where should your organization locate this virtual machines?

A. In a single zone within a single region
B. In different zones within a single region
C. In multiple regions, using one zone per region
D. In multiple regions, using multiple zones per region

Answer: B

Explanation:
Multi zone is also redundant within the region and it provides the lowest latency.
Reference link:
https://cloud.google.com/solutions/best-practices-compute-engine-region-selection

NEW QUESTION 62
- (Exam Topic 1)
Your team is using BigQuery as your central data warehouse. You are running a certain workload that you've run frequently over the last few days. It is a short, high capacity ana-lytics workload. Which of the following would be an appropriate pricing model to use?

A. There is no need for any pricing model the first 1 TB of query data processed per month is free.
B. On-demand pricing
C. Flex Slots
D. Flat-rate reservations

Answer: C

Explanation:
Option A is Correct- BigQuery Flex Slots for cyclical workloads that require extra capacity, or for workloads that need to process a lot of data in a short time, and so would be less expensive to run using reserved slots for a short time.

NEW QUESTION 66
- (Exam Topic 1)
A company with its own private data center has called you in for help with their disaster recovery planning. News of multiple ransomware attacks has made them very anxious. They want to make they are well prepared for such an eventuality. Which of these would be good recommendations?

A. It is better to have redundancy; so, set up another private data center nearby so that you can quickly go over in case of an emergency.
B. It is better to have redundancy; use one or many of the Google Cloud datacenters as a backup location.
C. The one data center is enough, as long as the data is encrypted; attackers won't be able to read the data.
D. The one data center is enough as long as you regularly back up data and save it in another place in the same DC.

Answer: B

Explanation:
A single data center is vulnerable. So any option involving that is not good. Reference Link:- https://www.coresite.com/blog/data-center-redundancy

NEW QUESTION 67
- (Exam Topic 1)
Your organization meant to purchase a 3-year Committed Use Discount, but accidentally purchased a 1-year Committed Use Discount instead. What should your organization do?

A. Contact your financial institution.
B. Contact Trust and Safety.C Contact Cloud Billing Support.
C. Contact Technical Support.

Answer:

C

Explanation:
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⭐ **Important:** Once you enable discount sharing through the console, you can only disable it with the assistance of **Cloud Billing support.** If you disable discount sharing with the assistance of Cloud Billing support, all committed use discounts revert to the default setting of applying only to the projects through which with they were purchased. The reverted setting becomes effective at the beginning of the following month.

Combining reservations with commitments

A committed use discount provides a 1- or 3-year discounted price agreement, but it does not reserve capacity in a specific zone. A reservation ensures that capacity is held in a specific zone even if the reserved VMs are not running. By combining a reservation with a commitment, you get discounted, reserved resources.

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

NEW QUESTION 70
- (Exam Topic 1)
The government has ordered an audit of your company's data. You have hired an external company to conduct the audit. They need to be able to review the data stored in your Cloud Storage buckets across eight projects. How would you grant them access?

A. Give the auditors an Owner role on the eight buckets so that they have proper access.
B. Give them Storage Object Viewer access to the buckets in those eight projects.
C. They might need access to all projects as the audit progresses; so give them access to all Storage buckets so that you don't have to do it repeatedly later on.
D. They might need access to all projects as the audit progresses; so give them the Editor role on all Storage buckets so that you don't have to do it repeatedly later on.

Answer: B

Explanation:
Apply the Principle of Least Privilege and only provide read permissions on only the required buckets. No more, no less
https://cloud.google.com/storage/docs/access-control/iam-roles

NEW QUESTION 72
- (Exam Topic 1)
Your organization wants an economical solution to store data such as files, graphical images, and videos and to access and share them securely.
Which Google Cloud product or service should your organization use?

A. Cloud Storage
B. Cloud SQL
C. Cloud Spanner
D. BigQuery

Answer: A

Explanation:
- Google Storage is GCP's version of AWS Simple Storage Service (S3) and an S3 bucket would be equivalent to a Google Storage bucket across the two clouds
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Despite many external solutions for digital files, some people still store their photos, videos, an content files on their desktop or laptop. The only problem with this method is that your computer can quickly become cluttered with thousands of files. It slows your prized piece of hardware (computer) down.

When you want to find a digital file you probably *expect* that file to come flying up on your screen in an instant. Yet -- anyone who keeps a lot of photos on a computer knows it can take minutes, sometimes hours, to find one - even if you keep it on your desktop. It's just not all that convenient to store things this way. Most importantly, just storing these digital files on a desktop leaves them vulnerable to viruses, damage, or theft. Folks who rely on this also generally don't have a back-up plan.

NEW QUESTION 73
- (Exam Topic 1)
Your organization is developing a plan for migrating to Google Cloud.

What is a best practice when initially configuring your Google Cloud environment?

A. Create a project via Google Cloud Console per department in your company
B. Define your resource hierarchy with an organization node on top
C. Create projects based on tem members' requests
D. Make every member of your company the project owner

Answer: B

Explanation:
The Organization resource is the root node of the Google Cloud resource hierarchy and all resources that belong to an organization are grouped under the organization node. This provides central visibility and control over every resource that belongs to an organization.
Reference link- https://cloud.google.com/resource-manager/docs/cloud-platform-resource-hierarchy

NEW QUESTION 77
- (Exam Topic 1)
You are leading projects in an IT services company. Your customer's project requires analyzing im-ages. They have many 10s of 1000s of raw images that they have made available to you. Your small technology team needs to build a machine learning model. The images are unlabeled. You don't have the people or the capacity to label the images. What is your approach?

A. Look for open-source labeled images that closely resemble the given images.
B. Request data labeling service from Google.
C. Tell the customer it is their duty to label the images.
D. Hire temporary workers who can quickly label the images.

Answer: C

Explanation:
Google's Data Labeling Service lets you work with human labelers to generate highly accurate labels for a collection of data that you can use in machine learning models.
References:
-> https://cloud.google.com/vertex-ai/docs/datasets/data-labeling-job
-> https://cloud.google.com/ai-platform/data-labeling/docs

NEW QUESTION 78
- (Exam Topic 1)
Your organization recently migrated its compute workloads to Google Cloud. You want these workloads in Google Cloud to privately and securely access your large volume of on-premises data, and you also want to minimize latency.
What should your organization do?

A. Use Storage Transfer Service to securely make your data available to Google Cloud
B. Create a VPC between your on-premises data center and your Google resources
C. Peer your on-premises data center to Google's Edge Network
D. Use Transfer Appliance to securely make your data available to Google Cloud

Answer: C

Explanation:
Graphical user interface, text, application, Word, email Description automatically generated

Direct Peering overview 🔖   Send feedback

Direct Peering enables you to establish a direct peering 🔗 connection between your business network and Google's edge network and exchange high-throughput cloud traffic.

This capability is available at any of more than 100 locations in 33 countries around the world. For more information about Google's edge locations, see Google's peering site.

When established, Direct Peering provides a direct path from your on-premises network to Google services, including Google Cloud products that can be exposed through one or more public IP addresses. Traffic from Google's network to your on-premises network also takes that direct path, including traffic from VPC networks in your projects. Google Cloud customers must request that direct egress pricing be enabled for each of their projects after they have established Direct Peering with Google. For more information, see Pricing.

Direct Peering exists outside of Google Cloud. Unless you need to access Google Workspace applications, the recommended methods of access to Google Cloud are Dedicated Interconnect or Partner Interconnect.

For a description of the differences between Direct Peering and Cloud Interconnect, see the comparison table.

https://cloud.google.com/network-connectivity/docs/direct-peering

NEW QUESTION 83
- (Exam Topic 1)
Your organization needs to categorize objects in a large group of static images using machine learning. Which Google Cloud product or service should your organization use?

A. BigQuery ML

B. AutoML Video Intelligence
C. Cloud Vision API
D. AutoML Tables

Answer: C

Explanation:
Reference: https://cloud.google.com/vision
Derive insights from your images in the cloud or at the edge with AutoML Vision or use pre-trained Vision API models to detect emotion, understand text, and more.
Vision API offers powerful pre-trained machine learning models through REST and RPC APIs. Assign labels to images and quickly classify them into millions of predefined categories. Detect objects and faces, read printed and handwritten text, and build valuable metadata into your image catalog.

NEW QUESTION 86
- (Exam Topic 1)
Your organization wants to predict the behavior of visitors to its public website. To do that, you have decided to build a machine learning model. Your team has database-related skills but only basic machine learning skills, and would like to use those database skills.
Which Google Cloud product or feature should your organization choose?

A. BigQuery ML
B. LookML
C. TensorFlow
D. Cloud SQL

Answer: A

Explanation:
Reference: https://cloud.google.com/architecture/predicting-customer-propensity-to-buy

NEW QUESTION 89
- (Exam Topic 1)
You are currently managing workloads running on Windows Server for which your company owns the licenses. Your workloads are only needed during working hours, which allows you to shut down the instances during the weekend. Your Windows Server licenses are up for renewal in a month, and you want to optimize your license cost.
What should you do?

A. Renew your licenses for an additional period of 3 year
B. Renew your licenses for an additional period of 3 year
C. Negotiate a cost reduction with your current hosting provider wherein infrastructure cost is reduced when workloads are not in use
D. Renew your licenses for an additional period of 2 year
E. Negotiate a cost reduction by committing to an automatic renewal of the licenses at the end of the 2 year period
F. Migrate the workloads to Compute Engine with a bring-your-own-license (BYOL) model
G. Migrate the workloads to Compute Engine with a pay-as-you-go (PAYG) model

Answer: D

Explanation:
The PAYG model is more convenient because you only pay for usage. And the case describes that the workloads are only run on certain days.

NEW QUESTION 90
- (Exam Topic 1)
Your organization is running all its workloads in a private cloud on top of a hypervisor. Your organization has decided it wants to move to Google Cloud as quickly as possible. Your organization wants minimal changes to the current environment, while using the maximim amount of managed services Google offers.
What should your organization do?

A. Migrate the workloads to Google Cloud VMware Engine
B. Migrate the workloads to Compute Engine
C. Migrate the workloads to Bare Metal Solution
D. Migrate the workloads to Google Kubernetes Engine

Answer: B

Explanation:
Migrate for Compute Engine enables you to lift and shift workloads at scale to Google Cloud Compute Engine with minimal changes and risk.
Reference: https://dataintegration.info/simplify-vm-migrations-with-migrate-for-compute-engine-as-a-service

NEW QUESTION 92
- (Exam Topic 1)
A multinational retail company has approached you to help design its systems. They have millions of transactions at their point of sale systems across the world that need to be captured, stored, and analyzed. They are seeing more growth and expect to expand into even more geographies. Which database would be appropriate for them?

A. Cloud Datastore
B. Cloud Storage
C. Cloud Spanner
D. Cloud SQL

Answer: C

Explanation:

Cloud Spanner: "Fully managed relational database with unlimited scale, strong consistency, and up to 99.999% availability."
Reference:- https://cloud.google.com/spanner

NEW QUESTION 96
- (Exam Topic 1)
Your company needs to segment Google Cloud resources used by each team from the others. The teams' efforts are changing frequently, and you need to reduce operational risk and maintain cost visibility. Which approach does Google recommend?

A. One project per team.
B. One organization per team.
C. One project that contains all of each team's resources.
D. One top-level folder per team.

Answer: A

Explanation:
Reference: https://cloud.google.com/security/infrastructure/design
The Teams need to segmented to have visibility on the resources each team consumes

NEW QUESTION 100
- (Exam Topic 1)
Which of the following NIST Cloud characteristics uses the business model of shared re-sources in a cloud
environment?

A. Elasticity
B. Availability
C. Broad Network Access
D. Multi-Tenancy

Answer: D

Explanation:

In cloud computing, multitenancy means that multiple customers of a cloud vendor are using the same computing resources. Even though they share resources, cloud customers aren't aware of each other, and their data is kept totally separate. Mul-titenancy is a crucial component of cloud computing; without it, cloud services would be far less practical. Multitenant architecture is a feature in many types of public cloud
com-puting, including IaaS, PaaS, SaaS, containers, and serverless computing.

NEW QUESTION 102
- (Exam Topic 1)
You decide to migrate your on-premises environment to the cloud. You need to determine which resource components still need to be assigned ownership. Which two functions are owned by a public cloud provider? (Choose two.)

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

Answer: AD

Explanation:
In a shared responsible model, hardware maintence and capacity management cloud provider is the responsible part.

NEW QUESTION 104
- (Exam Topic 1)
Your organization is building an application running in Google Cloud. Currently, software builds, tests, and regular deployments are done manually, but you want to reduce work for the team. Your organization wants to use Google Cloud managed solutions to automate your build, testing, and deployment process.
Which Google Cloud product or feature should your organization use?

A. Cloud Scheduler
B. Cloud Code
C. Cloud Build
D. Cloud Deployment Manager

Answer: C

Explanation:
Deploy your application to App Engine using the gcloud app deploy command. This command automatically builds a container image by using the Cloud Build service and then deploys that image to the App Engine flexible environment.
Reference: https://cloud.google.com/appengine/docs/flexible/nodejs/testing-and-deploying-your-app

NEW QUESTION 105
- (Exam Topic 1)
A partner of yours used to have their own private data center. Your company was already on Google Cloud and now they have also moved to Google Cloud. You

are investigating whether there are ways to collaborate better or shared services. What would be one good option to consider?

A. Use Private Service Access within Google Cloud.
B. Use VPC Peering to share resources privately between your two organizations.
C. Use public IP addresses as befor
D. It will automatically be routed internally only.
E. Use VPC Shared Networks to share common resources.

Answer: B

Explanation:
VPC Network Peering allows internal IP address connectivity across two Virtual Private Cloud (VPC) networks regardless of whether they belong to the same project or the same organization.
-> Shared VPC is only within an organization - it allows an organization to connect resources from multiple projects to a common Virtual Private Cloud (VPC) network, so that they can communicate with each other securely and efficiently using internal IPs from that network.
-> Private Google Access is only to access Google APIs and services References:
-> https://cloud.google.com/vpc/docs/vpc-peering
-> https://cloud.google.com/vpc/docs/private-google-access
-> https://cloud.google.com/vpc/docs/shared-vpc

NEW QUESTION 106
- (Exam Topic 1)
Your application has repeated data requests of the exact same nature. At the same time, the number of user requests is increasing. Monitoring indicates that the load on the existing database is increasing, and there seems to be a bottleneck. An analysis of the data requested shows us that it is application-managed data and that it changes, but not often. How can you improve the efficiency of the application?

A. Use Cloud Memorystore to improve speed via caching
B. Increase the amount of RAM on the machine hosting the database so that it has higher data throughput.
C. Use Cloud Storage with multi-regional storage so that all users accessing the data will have lower latency
D. Increase the number of CPUs on the machine hosting the database so that it has higher data throughput.

Answer: A

Explanation:
Cloud Memorystore is an in-memory database that has sub-millisecond latency. This is ideal for caching application data that also changes once in a while.
https://cloud.google.com/memorystore

NEW QUESTION 111
- (Exam Topic 1)
The operating systems of some of your organization's virtual machines may have a security vulnerability. How can your organization most effectively identify all virtual machines that do not have the latest security
update?

A. View the Security Command Center to identify virtual machines running vulnerable disk images
B. View the Compliance Reports Manager to identify and download a recent PCI audit
C. View the Security Command Center to identify virtual machines started more than 2 weeks ago
D. View the Compliance Reports Manager to identify and download a recent SOC 1 audit

Answer: A

Explanation:
Security Health Analytics and Web Security Scanner detectors generate vulnerabilities findings that are available in Security Command Center. Your ability to view and edit findings is determined by the Identity and Access Management (IAM) roles and permissions you are assigned. For more information about IAM roles in Security Command Center.
Reference link:
https://cloud.google.com/security-command-center/docs/concepts-vulnerabilities-findings

NEW QUESTION 116
- (Exam Topic 1)
Which Google Cloud product gives you a consistent platform for multi-cloud application deployments and extends other Google Cloud services to your environment?

A. Google Kubernetes Engine
B. Virtual Public Cloud
C. Compute Engine
D. Anthos

Answer: D

Explanation:
Graphical user interface, text, application Description automatically generated

Anthos

Migrate directly from VMs, Build, deploy, and optimize apps on GKE, Anthos serverless landing zones and VMs anywhere-simply, flexibly, and securely

Try It free   Contact sales

✓ Build, deploy, and optimize apps on GKE and VMs anywhere—simply, flexibly, and securely

✓ Consistent development and operations experience for hybrid and multicloud environments

✓ Achieve up to 4.8x ROI within 3 years according to the Forrester Total Economic Impact study

✓ Accelerate your VM-based app migration journey to containers

https://cloud.google.com/anthos

NEW QUESTION 119
- (Exam Topic 3)
An organization delivers a proactive healthcare service. They want to efficiently and automatically collect patient data.
What should the organization encourage the patients to do?

A. Use at-home health screening devices and then upload their health data daily
B. Wear Internet of Things (IoT) devices that upload their health data in real time
C. Self-assess their health data and then document and upload it in real time
D. Visit a nurse who will use Internet of Things (IoT) devices to collect and upload their health data

Answer: B

NEW QUESTION 122
- (Exam Topic 3)
After rolling out a new update, an organization found a minor bug in its online video game. How should the organization approach this bug while following SRE principles?

A. Accept and learn from the bug because failure is normal
B. Accept and ignore the bug because it is only minor
C. Hold a postmortem to reprimand the employee responsible for the bug
D. Document bug correction to eliminate all future bugs

Answer: A

Explanation:
https://www.blameless.com/sre/sre-principles
Accepting failure as normal is one of the SRE principles. SREs believe that accepting failure as normal helps to build an iterative, collaborative culture. One way this is done is by holding a blameless "lessons learned" discussion after an incident occurs.

NEW QUESTION 124
- (Exam Topic 3)
An organization wants full control of their virtual machine infrastructure for a custom home-grown application with a product that autoscales and automatically updates.
Which Google Cloud product or solution should the organization use?

A. Cloud Build
B. Cloud Run
C. Compute Engine
D. App Engine

Answer: C

Explanation:
Compute Engine will allow you to have full control of their VM infrastructure and you can autoscale and also apply automatic updates.

NEW QUESTION 125
- (Exam Topic 3)
An online retail organization wants to optimize their service.
What is an example of unstructured data that they can use to make decisions?

A. Customer survey comments

B. Seller location coordinates
C. Product sales trends
D. Warehouse inventory records

Answer: A

Explanation:
 https://cloud.google.com/storage/docs/requester-pays

NEW QUESTION 128
- (Exam Topic 3)
What is an example of unstructured data that organizations can capture from social media?

A. Post comments
B. Tagging
C. Profile picture
D. Location

Answer: A

Explanation:
https://treehousetechgroup.com/8-examples-of-unstructured-data/

NEW QUESTION 133
- (Exam Topic 2)
A customer is migrating there on-promises data analytics solution to Google Cloud. The current solution has a lot of data being read form and written to disk. The performance of this approach has occasionally been a bottleneck for a scale of operations that your cus-tomer has. The application is fault tolerant and can with stand machine going down fre-quently. In moving to Google Cloud they are asking your advice on any way to improve performance?

A. Use Big Query Which has very fast data access and analysis
B. Use Cloud Storage which can be central, scalable storage
C. Use local SSDs with the VMs
D. Use Persistent Disk with the VMs

Answer: C

Explanation:
Local SSDs are attached to the VM and have very high throughput. However, when the VM shuts down, The local SSD is also shut down, Since our Workload here is foult tolerant, than is not an issue.

NEW QUESTION 136
- (Exam Topic 2)
Your customer is moving from AWS to Google Cloud. Data also needs to be moved. There is about 50TB of data. On AWS, the data resides in an S3 bucket. It is going to be moved to Cloud Storage. Data is also being continuously generated on S3 prior to the cutover. It is preferable that this is also periodically transferred. What is the best way to move the data?

A. Use the gsutil command-line option
B. Use the Google Cloud console to drag and drop the files easily
C. Use the Storage Transfer Service
D. Use a Transfer Appliance

Answer: C

Explanation:
Storage Transfer Service provides options that make data transfers and synchronization easier. We can also schedule one-time transfer operations or recurring transfer operations.
Text Description automatically generated

Storage Transfer Service is a product that enables you to:

- Move or backup data to a Cloud Storage bucket either from other cloud storage providers or from a local or cloud POSIX file system.

- Move data from one Cloud Storage bucket to another, so that it is available to different groups of users or applications.

- Move data from Cloud Storage to a local or cloud file system

- Move data between file systems.

- Periodically move data as part of a data processing pipeline or analytical workflow.

Storage Transfer Service provides options that make data transfers and synchronization easier. For example, you can:

- Schedule one-time transfer operations or recurring transfer operations.

- Delete existing objects in the destination bucket if they don't have a corresponding object in the source.

- Delete data source objects after transferring them.

- Schedule periodic synchronization from a data source to a data sink with advanced filters based on file creation dates, filenames, and the times of day you prefer to import data.

Reference link- https://cloud.google.com/storage-transfer/docs/overview
Reference linkhttps://cloud.google.com/architecture/transferring-data-from-amazon-s3-to-cloud-storage-using-vpc-service-c

NEW QUESTION 137
- (Exam Topic 2)
The customer has applications that do data processing on-premise. They have been built using Ha-doop and Spark. What product should I use on Google Cloud?

A. Dataproc
B. Dataflow
C. Dataprep
D. Dataplex

Answer: A

Explanation:
Because Dataproc is used to run Hadoop/Spark workloads

NEW QUESTION 138
- (Exam Topic 2)
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

Answer: CDE

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

NEW QUESTION 140
- (Exam Topic 2)
You are consulting for a client who is migrating to Google Cloud. They presently have a matrix or-ganization. Their IT environments were managed around projects. Each team had multiple projects. All the projects had a flat structure under the company. What would you advise them when plan-ning for the move?

A. On Google Cloud, create a folder corresponding to each tea
B. Under that, there could be projects or further sub folders as the team decides.
C. In terms of not disturbing the project developers and testers, advise them that the strategic decision is to retain the structure on Google Cloud also.
D. Since a Project could spawn other sub-Projects, on Google Cloud it is better to as-sign a folder for each Project.
E. The flat structure is what is currently used in IT organizations, and this can be used as-is which will provide the best results.

Answer: A

Explanation:
Folders for a related group of projects are the recommended approach.
-> A flat structure under the organization node is possible on Google Cloud, but it is not recommended. It becomes tougher to manage.
-> Projects cannot have sub-projects; there can only be resources within Projects.
Reference link- https://cloud.google.com/resource-manager/docs/cloud-platform-resource-hierarchy

NEW QUESTION 141
- (Exam Topic 2)
You are a DevOps Engineer in an E-commerce company that sells products globally, across the countries, Customers buy products, add them to carts or check-in stock from different parts of the world with different timestamps, you need to choose a database that can scale globally without any hassle and lots of developer support, it should be consistent across regions, can scale horizontally to support enormous user, automatically replicates, shards and even auto transaction processing. Which of the following database do you choose?

A. Cloud SQL
B. Cloud Spanner
C. Cloud Firestore.
D. Cloud Storage.

Answer: B

Explanation:

Cloud Spanner:
Fully managed relational database with unlimited scale, strong consistency, and up to 99.999% availability.
- Get all the benefits of relational semantics and SQL with unlimited scale
- Start at any size and scale with no limits as your needs grow
- Enjoy high availability with zero scheduled downtime and online schema changes
- Deliver high-performance transactions with strong consistency across regions and continents
- Focus on innovation, eliminating manual tasks with capabilities like automatic sharding
Automatic sharding
Cloud Spanner optimizes performance by automatically sharding the data based on request load and size of the data. As a result, you can spend less time worrying about how to scale your database and instead focus on scaling your business.
Strong transactional consistency
Purpose-built for external, strong, global transactional consistency.
Regional and multi-regional configurations
No matter where your users may be, apps backed by Cloud Spanner can read and write up-to-date strongly consistent data globally Additionally, when running a multi-region instance, your database is able to survive a regional failure, and offers industry-leading 99.999% availability.
Online schema changes with no downtime
Cloud Spanner users can make a schema change, whether it's adding a column or adding an index while serving traffic with zero downtime. Hence you now have the flexibility to adapt your database to your business needs without compromising on the availability of your application.

NEW QUESTION 145
- (Exam Topic 2)
One of your clients is in the retail sector. They have a small team supporting their operations and a small development team taking care of application development. They have heard of the benefits of machine learning, but they do not have the capacity to hire data scientists or the work to retain them. They have a team of analysts who works primarily on BigQuery and knows how to run SQL queries. They want to be able to get into the new age of machine learning and artificial intelligence. What options are available to run on Google Cloud?

A. Use the popular open-source libraries SciPy and NumPy to create machine learn-ing models.
B. Use the Unified AI Platform to create a custom TensorFlow model.
C. Use BigQuery ML to create machine learning models using SQL queries.
D. Integrate the Cloud Vision API and the Cloud Speech API to create a custom mod-el that will suit the retail sector.

Answer: C

Explanation:
BigQuery ML allows you to create ML models using standard SQL queries. Those familiar with BigQuery and ML will be able to create ML models with just a basic understanding of machine learning.
https://cloud.google.com/bigquery-ml/docs/

NEW QUESTION 150
- (Exam Topic 2)
You are looking for a one stop reference page for GCP support. What Page would you se-lect?

A. Compliance Hub
B. Google Cloud Platform Status
C. Support Hub
D. Pricing Page

Answer: C

Explanation:
Google provides a page that brings together everything needed around support. Its called the Support Hub
Reference link- https://cloud.google.com/support-hub

NEW QUESTION 152
- (Exam Topic 2)
Your client has an on-premises data center. Due to technical limitations, they are unable to scale globally. They have decided to adopt the public cloud. However, they don't want to locked into any one vendor and, therefore, would like to work with multiple cloud providers. They have used open source container technologies

and would like to continue using them.

A. Cloud Run which supports containers and can scale in a serverless fashion
B. Kubernetes that runs containers as their core workloads
C. AppEngine Flexible Environment which supports containers
D. Anthos that runs containers as their core workloads

Answer: D

Explanation:
Anthos unifies the management of infrastructure and applications across on-premises, edge, and in multiple public clouds with a Google Cloud-backed control plane for consistent operation at scale.

Anthos enables you to manage GKE clusters and workloads running on virtual machines across environments. You get consistent managed Kubernetes experience with simple installs as well as upgrades validated by Google. Anthos can run on your existing virtualized infrastructure and bare metal servers without a hypervisor layer. Anthos simplifies your application stack, reduces the costs associated with licensing a hypervisor, and decreases time spent learning new skills.

NEW QUESTION 157
- (Exam Topic 2)
Compute Engine provides machine type recommendations to help you optimize the re-source utilization of your virtual machine (VM) instances. What is this capability called?

A. App Engine
B. None of the above
C. Rightsizing Recommendations
D. Recommendation Engine

Answer: C

Explanation:
Compute Engine provides machine type recommendations to help you optimize the resource utilization of your virtual machine (VM) instances. These recommendations are generated automatically based on system metrics gathered by the Cloud Monitoring service over the previous 8 days. Use these recommendations to resize your instance's machine type to use the instance's resources more efficiently. This feature is also known as rightsizing recommendations
Reference link
- https://cloud.google.com/compute/docs/instances/apply-machine-type-recommendations-for-instances

NEW QUESTION 160
- (Exam Topic 2)
What load balancer type is supported with Cloud Armor security policies?

A. SSL Proxy, HTTP(S) and SSL
B. HTTP(S) and SSL
C. Regional SSL
D. HTTP(S) Only

Answer: D

Explanation:
Google Cloud Armor security policies protect your application by providing Layer 7 filtering and by scrubbing incoming requests for common web attacks or other Layer 7 attributes to potentially block traffic before it reaches your load balanced backend services or backend buckets. Each security policy is made up of a set of rules that filter traffic based on conditions such as an incoming request's IP address, IP range, region code, or request headers.
-> Google Cloud Armor security policies are available only for backend services behind an external HTTP(S) load balancer. The load balancer can be in Premium Tier or Standard Tier.
-> Google Cloud Armor security policies and IP DENY lists and ALLOW lists are available only for HTTP(S) load balancing.
Reference link- https://cloud.google.com/armor/docs/security-policy-overview

NEW QUESTION 164
- (Exam Topic 2)
Which Firebase quality tools help the developer track, prioritize & fix stability issues that erode the application quality?

A. Performance
B. App Distribution
C. Crashlytics
D. Test Lab

Answer: C

Explanation:
 Firebase Crashlytics:
Get clear, actionable insight into app issues with this powerful crash reporting solution for iOS, Android, and Unity.
Firebase Crashlytics is a lightweight, real-time crash reporter that helps you track, prioritize, and fix stability issues that erode your app quality. Crashlytics saves you troubleshooting time by intelligently grouping crashes and highlighting the circumstances that lead up to them.

Find out if a particular crash is impacting a lot of users. Get alerts when an issue suddenly increases in severity. Figure out which lines of code are causing crashes.
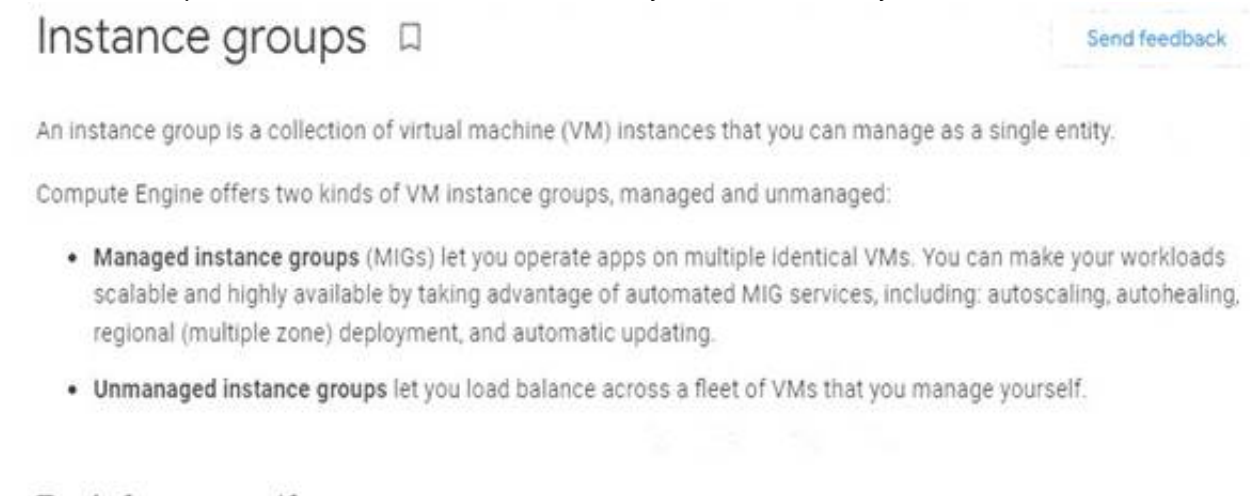
NEW QUESTION 167
- (Exam Topic 2)
A customer has an application running in virtual machines. They are migrating this application to Google Cloud. They have previously had scaling issues when on-premises as VMs had to be pre-allocated. Capacity planning was repeatedly off mark - it's either too many VMs or too less. They want to match the capacity to demand while keeping the application running always. They don't have the time or budget to re-architect the systems using containers and Kubernetes at the moment. What would be your recommendation?

A. Run a load test on Compute Engine VM
B. Get an estimate of usag
C. Then plan for a VM capacity of 25% above the load test value.
D. Use the Managed Instance Group with Compute Engine
E. Inform them that new-age companies are using microservices, containers, and Kubernetes for this and they can plan to rewrite the app quickly.
F. Inform them that using a serverless option will take care of the scaling and they can move to Cloud Run or App Engine.

Answer: B

Explanation:
Scalability. When your apps require additional compute resources, autoscaled MIGs can automatically grow the number of instances in the group to meet demand. If demand drops, autoscaled MIGs can automatically shrink to reduce your costs

https://cloud.google.com/compute/docs/instance-groups

NEW QUESTION 168
- (Exam Topic 2)
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.

Answer: D

Explanation:
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.

NEW QUESTION 170
- (Exam Topic 2)
While on-premise, an enterprise had multiple teams, each with its own analytics data store. Attempts to converge the storage for centralized, company-wide analysis failed because of speed and scaling issues. What would be the preferred destination architecture on Google Cloud?

A. Migrate to Bigtable which provides high throughput reads and writes.
B. Migrate to Cloud Spanner as a globally scalable SQL database.
C. Migrate to BigQuery as a central data warehouse.
D. Migrate to Cloud SQL which supports multiple databases like MySQL, PostgreSQL, and SQL Server - all of the customer's SQL databases can be accommodated here.

Answer: C

Explanation:
BigQuery is the data warehousing option on Google Cloud. Since the source data has already been used for analysis, it should easily fit the BigQuery structure too.

NEW QUESTION 171

- (Exam Topic 2)
In Google Cloud IAM: if a policy applied at the project level gives you Owner permissions, your access to an individual resource in that project might be restricted to View permission if someone applies a more restrictive policy directly to that resource. What is correct below the options

A. False
B. None of the above.
C. True
D. Not defined by GCP.

Answer: A

Explanation:
Policies are a union of those applied to resources themselves and those inherited from higher levels in the hierarchy. If a parent policy is less restrictive, it overrides a more restrictive policy applied to the resource. If a parent policy is more restrictive, it does not override a less restrictive policy applied to the resource. Therefore, access granted at a higher level in the hierarchy cannot be taken away by policies applied at a lower level in the hierarchy.

NEW QUESTION 174
- (Exam Topic 2)
An application has become very popular and the number of requests/users is increasing quickly. There is a meeting to figure out how to scale the systems so that they can accept user requests and still have the capacity to spare. What is the preferred option?

A. Circular Scaling takes a round-robin approach to allocate and destroy VMs.
B. Triangular Scaling takes an automated average of Cost, Effort, and Time.
C. Vertical Scaling
D. Horizontal Scaling

Answer: D

Explanation:
Horizontal scaling, also called scaling out, adds new VMs to increase application capacity.

NEW QUESTION 179
- (Exam Topic 2)
The government has mandated that companies in a particular section of healthcare must retain all the data they collect for a period of 10 years in case an audit needs to be done. Your client, who is in that industry, needs to follow regulations. In addition, your client wants to do an analysis of the data quite frequently in the first year. They also don't want to be liable for any data beyond year 10. What would recommend for your customer?

A. Use Cloud Storage with nearline storage in year one and Coldline storage thereaf-te
B. Use Object lifecycle management to move between storage types and delete them after 10 years.
C. Use Cloud Storage with standard storage in year one and Coldline storage there-afte
D. Set a Cloud Scheduler trigger for 1 year to change storage types and 10 years to delete the data.
E. Use Cloud Storage with standard storage in year one and archival storage thereaf-te
F. Use Object lifecycle management to move between storage types and delete them after 10 years.
G. Use Cloud Storage with standard storage in year one and Coldline storage there-afte
H. Set a Cloud Tasks to trigger for 1 year to change storage types and 10 years to delete the data.

Answer: C

Explanation:
Cloud storage supports Object Lifecycle Management. To support common use cases like setting a Time to Live (TTL) for objects, retaining noncurrent versions of objects, or "downgrading" storage classes of objects to help manage costs, Cloud Storage offers the Object Lifecycle Management feature.
Standard storage is recommended for frequently accessed data and Archive for data accessed less than once a year.
Nearline, Coldline, and Archive offer ultra-low-cost, highly-durable, highly available archival storage. For data accessed less than once a year, Archive is a cost-effective storage option for the long-term preservation of
data. Coldline is also ideal for cold storage—data your business expects to touch less than once a quarter. For warmer storage, choose Nearline: data you expect to access less than once a month, but possibly multiple times throughout the year.

NEW QUESTION 182
- (Exam Topic 2)
A small scale retailer has been collecting its point of sale transaction in a PostgreSQL Da-tabase. They have raised funding for a strategic expansion goal in the next year that will see them grow significantly in Asia, Europe, North America, Which Database option should they choose in Google Cloud?

A. BigQuary
B. Spanner
C. Cloud SQL
D. Bigtable

Answer: B

Explanation:
Spanner is a global scale Database that Support SQL querying, Similar to PostgreSQL, Which will be regional. So that will be a fairly smooth move, Since they have the time and the funding, they can plan for this migration.

NEW QUESTION 184
- (Exam Topic 2)
certain devices for cracks, rust, etc. Some of these issues are difficult to identify for a human and your company has seen increasing customer complaints - the customer has paid for an inspection and the field agent said there was no problem, but it later turned out there actually was. The team has come up with a proposal to engage AI to identify issues. On evaluating the existing system, it is seen that the mobile phone network connection is not good or consistent. What solution can work for them?

A. Use AutoML Vision Edge models.
B. Use the Rust programming language instead of Python to identify issues like rust.
C. Use Cloud TPUs which will be able to do the analysis faster on the clou
D. Thus re-sponses also will be fast.
E. Use TensorFlow to create custom models and deploy it as TensorFlow Lite mod-els.

Answer: A

Explanation:
AutoML Vision Edge model can be deployed to one of several types of edge devices, such as mobile phones,
ARM-based devices, and the Coral Edge TPU
https://cloud.google.com/vision/automl/docs/edge-quickstart

NEW QUESTION 185
- (Exam Topic 2)
Your client is building a custom machine learning pipeline to identify lesions in the lungs based on x-rays. Different teams of data scientists are sharing common source data and building many ver-sions of ML models. Which of these Cloud Storage options would be best for them?

A. Retain the data in use in a single region bucket with nearline storag
B. Retain the data in use in a dual-region bucket.
C. Retain the data in use in a single region bucket with standard storage.
D. Retain the data in use in a multi-region bucket.
E. Retain the data in use in a dual-region bucket.

Answer: B

Explanation:
Integrated repository for analytics and ML: The highest level of availability and performance within a single region is ideal for compute, analytics, and machine
learning workloads in a particular region. Cloud Storage is also strongly consistent, giving you confidence and accuracy in analytics workloads.
Table Description automatically generated with medium confidence

Standard storage

Standard storage is best for data that is frequently accessed ("hot" data) and/or stored for only brief periods of time.

When used in a region, Standard storage is appropriate for storing data in the same location as Google Kubernetes Engine clusters or Compute Engine instances that use the data. Co-locating your resources maximizes the performance for data-intensive computations and can reduce network charges.

When used in a dual-region, you still get optimized performance when accessing Google Cloud products that are located in one of the associated regions, but you also get the improved availability that comes from storing data in geographically separate locations.

When used in a multi-region, Standard storage is appropriate for storing data that is accessed around the world, such as serving website content, streaming videos, executing interactive workloads, or serving data supporting mobile and gaming applications.

Availability

The availability of Standard storage data is:

Location Type	Availability SLA[1]	Typical monthly availability
multi-region	99.95%	>99.99%
dual-region	99.95%	>99.99%

https://cloud.google.com/storage/docs/storage-classes

NEW QUESTION 190
- (Exam Topic 2)
An e-commerce company's business has been booming. To keep up with the growth the IT team also grew. Many new people are being added and new resources are being set up. The CIO is in conver-sation with you over coffee one day and expresses her growing concern that they might be moving too fast. Their security checks and policies have not kept pace. She worries that somebody would make a misconfiguration or compliance violation thus exposing the company to data and privacy loss. What can you advise her?

A. Use Cloud Identity-Aware Proxy to allow only specific users to access the data.
B. Use Security Command Center to have a centralized view of assets and get noti-fied on misconfigurations and vulnerabilities.
C. Use Cloud Data Loss Prevention to prevent the loss of any data.
D. Use Cloud Armor to block any DDoS attacks that could be a threat.

Answer: B

Explanation:
Security Command Center is the right tool for this use case. It can check resources for security issues and notify you when issues are found.
https://cloud.google.com/security-command-center

NEW QUESTION 195
- (Exam Topic 2)
A customer deploys an application to App Engine and needs to check for Open Web Appli-cation Security Project (OWASP) vulnerabilities. Which service should be used to accom-plish this?

A. Cloud Armor
B. Cloud Security Scanner
C. Binary Authorization
D. Forseti Security

Answer: B

Explanation:
Web Security Scanner identifies security vulnerabilities in your App Engine, Google Kubernetes Engine (GKE), and Compute Engine web applications. It crawls your application, following all links within the scope of your starting URLs, and attempts to exercise as many user inputs and event handlers as possible. Currently, Web Security Scanner only supports public URLs and IPs that aren't behind a firewall. Web Security Scanner currently supports the App Engine standard environment and App Engine flexible environments, Compute Engine instances, and GKE resources.
Reference link
- https://cloud.google.com/security-command-center/docs/concepts-web-security-scanner-overview

NEW QUESTION 196
- (Exam Topic 2)
You are working for a hospital that stores its medical images in an on-premises data room and it is provided that the hospitals want to use Cloud Storage for archival storage of these images. You are required to design and implement a solution where the hospital wants an automated process to up-load any new medical images to Cloud Storage. On the basis of this statements which of the follow-ing statement is correct.

A. Create a Pub/Sub topic, and enable a Cloud Storage trigger for the Pub/Sub topi
B. Create an application that sends all medical images to the Pub/Sub topic.
C. Create a script that uses the gsutil command line interface to synchronize the on-premises storage with Cloud Storag
D. Schedule the script as a cron job.
E. In the Cloud Console, go to Cloud Storag
F. Upload the relevant images to the ap-propriate bucket.
G. Deploy a Dataflow job from the batch template, "Datastore to Cloud Storage" Schedule the batch job on the desired interval.

Answer: B

Explanation:
Using sync for new images implies that you will continue to use your onprem and keep synchronizing it forever, Sync just once for the old images, new images go directly to google cloud via pub/sub, and eventually get rid of the onprem.

NEW QUESTION 201
- (Exam Topic 2)
Your customer has a reporting tool that is only occasionally used by the leadership team. Usage of it is frequent - once a week, once a month, or once the quarter. They want to run this application in a cost-effective manner. What are the compute options available on Google Cloud which would be suitable? (Choose Two answer)

A. Cloud Run
B. Cloud App Engine Standard
C. Compute Engine
D. Kubernetes Engine

Answer: AB

Explanation:
Since the use of the tool is infrequent/intermittent, you can choose to compute options that are serverless. Both Cloud Run and Cloud App Engine Standard are serverless options that can shut down to zero. Since
cost-effectiveness is a requirement, this will not cost anything during the periods it is not used.

NEW QUESTION 206
- (Exam Topic 2)
What type of cloud computing service provides raw compute, storage, and network, organized in ways that are familiar to physical data centers?

A. Database as a Service.
B. Platform as a Service.
C. Infrastructure as a Service.
D. Software as a Service.

Answer: C

Explanation:
What is Infrastructure as a service :
IaaS (infrastructure as a service) is a computing model that offers resources on-demand to businesses and individuals via the cloud.
IaaS is attractive because acquiring computing resources to run applications or store data the traditional way requires time and capital. Enterprises must purchase equipment through procurement processes that can take months. They must invest in physical spaces: typically specialized rooms with power and cooling. And after deploying the systems, enterprises need IT, professionals, to manage them.
All this is challenging to scale when demand spikes or the business grows. Enterprises risk running out of capacity or overbuilding and ending up with infrastructure that suffers from low utilization.
These challenges are why IaaS use is steadily growing. Learn more about Compute Engine, Cloud Storage, etc.

NEW QUESTION 207
- (Exam Topic 2)
In terms of Infrastructure as a Service (IaaS) what are the benefits of it?

A. IaaS offers virtually infinite flexibility and scalability, enterprises can get their work done more efficiently, ensuring faster development life cycles.
B. IaaS resources are regularly available to businesses when they need the
C. As a result, enterprises reduce delays when expanding infrastructure and, alternatively, don't waste resources by overbuilding capacity.
D. IaaS resources are used on demand and enterprises only have to pay for the compute, storage, and networking resources that are actually used, IaaS costs are fairly predictable and can be easily contained and budgeted for.
E. All of the Above

Answer: D

Explanation:
These are the feature of Infrastructure as a Service (IaaS) It's economical
Because IaaS resources are used on demand and enterprises only have to pay for the compute, storage, and networking resources that are actually used, IaaS costs are fairly predictable and can be easily contained and budgeted for.
It's efficient
IaaS resources are regularly available to businesses when they need them. As a result, enterprises reduce delays when expanding infrastructure and, alternatively, don't waste resources by overbuilding capacity.
It boosts productivity
Because the cloud provider is responsible for setting up and maintaining the underlying physical infrastructure, enterprise IT departments save time and money and can redirect resources to more strategic activities.
It's reliable
IaaS has no single point of failure. Even if any one component of the hardware resources fails, the service will usually still remain available.
It's scalable
One of the biggest advantages of IaaS in cloud computing is the capability to scale the resources up and down rapidly according to the needs of the enterprise.
It drives faster time to market
Because IaaS offers virtually infinite flexibility and scalability, enterprises can get their work done more efficiently, ensuring faster development life cycles.

NEW QUESTION 212
- (Exam Topic 2)
You are a database manager working for a new product that will need millions of reading and writ-ing from the database, with zero downtime, key-value i.e. NoSQL features, no manual steps should be required to
ensure consistency, repair data, synchronize writes and deletes, Which of the follow-ing database you choose?

A. Cloud SQL
B. Cloud BigTable
C. Cloud Spanner
D. Cloud Firestore

Answer: B

Explanation:

Cloud BigTable Key features
High throughput at low latency
Bigtable is ideal for storing very large amounts of data in a key-value store and supports high read and write throughput at low latency for fast access to large amounts of data. Throughput scales linearly—you can increase QPS (queries per second) by adding Bigtable nodes. Bigtable is built with proven infrastructure that powers Google products used by billions such as Search and Maps.
Cluster resizing without downtime
Scale seamlessly from thousands to millions of reads/writes per second. Bigtable throughput can be dynamically adjusted by adding or removing cluster nodes without restarting, meaning you can increase the size of a Bigtable cluster for a few hours to handle a large load, then reduce the cluster's size again—all without any downtime.
Flexible, automated replication to optimize any workload
Write data once and automatically replicate where needed with eventual consistency—giving you control for high availability and isolation of reading and write workloads. No manual steps are needed to ensure consistency, repair data, or synchronize writes and deletes. Benefit from a high availability SLA of 99.999% for instances with multi-cluster routing across 3 or more regions (99.9% for single-cluster instances).

NEW QUESTION 216
- (Exam Topic 3)
How would a global organization benefit from managing their data with Cloud Spanner?

A. Cloud Spanner is optimized for cold storage
B. Cloud Spanner replicates data across regions in real time
C. Cloud Spanner is optimized to ingest unstructured data
D. Cloud Spanner visualizes and analyzes data in real time

Answer: B

Explanation:
Spanner is Google's scalable, multi-version, globally-distributed, and synchronously-replicated database.

NEW QUESTION 221
- (Exam Topic 3)
An organization is making a strategic change to customer support in response to feedback. They plan to extend their helpline availability hours.
Why is the organization making this change?

A. Users expect professional expertise
B. Users require personalization

C. Users expect always-on services
D. Users require regional access

Answer: C

NEW QUESTION 224
- (Exam Topic 3)
An organization has servers running mission-critical workloads on-premises around the world. They want to modernize their infrastructure with a multi-cloud architecture.
What benefit could the organization experience?

A. Ability to disable regional network connectivity during cyber attacks
B. Ability to keep backups of their data on-premises in case of failure
C. Full management access to their regional infrastructure
D. Reduced likelihood of system failure during high demand events

Answer: D

NEW QUESTION 225
- (Exam Topic 3)
An organization finds that the amount of cash in their vending machines doesn't match the value of items sold. They have decided to upgrade their vending machines with cloud-based mobile payment systems.
How could the organization benefit from this upgrade?

A. They could relax data access permissions.
B. They could reduce their error budget overspend.
C. They could improve their perimeter security.
D. They could view data history to see transactions.

Answer: D

NEW QUESTION 227
- (Exam Topic 3)
An organization wants to build an entirely new infrastructure and applications in the cloud. Which application modernization approach should the organization use?

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.

NEW QUESTION 230
- (Exam Topic 3)
An organization wants to use BigQuery data analytics to understand their website performance, but wants to move only some data into the cloud.
Which environment should the organization use?

A. Private cloud
B. On-premises
C. Multi-cloud
D. Hybrid cloud

Answer: D

Explanation:
The assumption should be made that there is still a private network involved. Hybrid clouds always include a private cloud and are typically managed as one entity. Multi-clouds always include more than one public cloud service, which often perform different functions.

NEW QUESTION 232
- (Exam Topic 3)
What does Cloud Logging help an organization do?

A. Analyze live source code and log code updates.
B. Deploy infrastructure as code.
C. Analyze logs and accelerate application troubleshooting.
D. Manage storage of custom VM images.

Answer: C

NEW QUESTION 237

- (Exam Topic 3)
Several departments in an organization are working together on a project. The organization wants to customize access to resources for each department. What is the quickest and most efficient way to achieve this?

A. By mapping IAM roles to job functions for each department
B. By assigning IAM primitive roles to each employee
C. By applying least-privilege to roles for each employee
D. By creating a single shared service account for all departments

Answer: A

NEW QUESTION 239
- (Exam Topic 3)
An organization wants a cost-effective relational database. Which Google Cloud service should the organization use?

A. Cloud Storage
B. BigQuery
C. Cloud SQL
D. Dataflow

Answer: C

NEW QUESTION 244
- (Exam Topic 3)
An organization wants to create a new application in the cloud to replace an existing on-premises application. Which application modernization approach should the organization use?

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: D

Explanation:
This approach carries over as much custom components as possible from the source system and minimizes initial reengineering efforts.

NEW QUESTION 246
- (Exam Topic 3)
An organization wants to migrate legacy applications currently hosted in their data center to the cloud. The current architecture dictates that each application needs its own operating system (OS) instead of sharing an OS.
Which infrastructure solution should they choose?

A. Virtual machines
B. Open source
C. Serverless computing
D. Containers

Answer: A

Explanation:
Virtual machines - you can install customized OS Containers - about applications
Virtualization enables you to run multiple operating systems on the hardware of a single physical server, while containerization enables you to deploy multiple applications using the same operating system on a single virtual machine or server. Serverless computing would be no OS required and the open source operating system allows the use of code that is freely distributed and available to anyone and for commercial purposes such as Linux and Free BSD.

NEW QUESTION 251
- (Exam Topic 3)
An organization notices that some of their cloud expenditures are too high. What should the organization do to control costs?

A. Streamline the hardware procurement process to reduce costs.
B. Share cost views with the departments to establish more accountability.
C. Change the cost model from operational expenditure to capital expenditure.
D. Ensure that all could resources are tagged with a single tag.

Answer: B

NEW QUESTION 255
- (Exam Topic 3)
An organization is migrating their business applications from on-premises to the cloud. How could this impact their operations and personnel costs?

A. Reduced on-premises infrastructure management costs
B. Increased on-premises hardware maintenance costs
C. Reduced cloud software licensing costs
D. Increased cloud hardware management costs

Answer: A

NEW QUESTION 260
- (Exam Topic 3)
An organization wants to collect metrics and metadata from their cloud applications and put them into dashboards.
Which Google Cloud tool should they use?

A. Cloud Monitoring
B. Cloud Trace
C. Cloud Logging
D. Cloud Debugger

Answer: A

Explanation:
https://cloud.google.com/monitoring

NEW QUESTION 261
- (Exam Topic 3)
How can a streaming service meet global compliance requirements using the cloud?

A. By automatically encrypting personally identifiable information
B. By obtaining a business license to operate in a new market
C. By allowing users to disable two-factor authentication
D. By adhering only to data polices of the country in which the head office is registered

Answer: A

NEW QUESTION 264
- (Exam Topic 3)
A retail company stores their product inventory in a legacy system. Often, customers find products on the company's website and want to purchase them in-store.
However, when they arrive, they discover that the products are out of stock.
How could the company benefit from using an application programming interface (API)?

A. To create personalized product recommendations for customers
B. To optimize their on-premises legacy system stability
C. By manually linking each inventory system to the website on a case-by-case basis
D. By programmatically connecting the inventory system to their website

Answer: D

Explanation:
By programmatically connecting the inventory system to their website The issue is the website shows an item is available at the store, but when the customer gets to the store, they find out that item is out of stock.

NEW QUESTION 267
- (Exam Topic 3)
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

Answer: D

Explanation:
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

NEW QUESTION 272
- (Exam Topic 3)
An e-commerce organization is reviewing their cloud data storage.
What type of raw data can they store in a relational database without any processing?

A. Product inventory
B. Product photographs
C. Instructional videos
D. Customer chat history

Answer: A

NEW QUESTION 276
- (Exam Topic 3)
A food delivery service needs access to real-time menu information from all partner restaurants. They also need to share customer order information with the restaurants in real time.
What should the organization use?

A. Site reliability engineering (SRE)
B. An application programming interface (API)
C. A customized machine learning model
D. A multi-regional database

Answer: B

NEW QUESTION 279
- (Exam Topic 3)
An organization is searching for an open-source machine learning platform to build and deploy their own custom machine learning applications using TPUs.
Which Google Cloud product or service should the organization use?

A. TensorFlow
B. BigQuery ML
C. Vision API
D. AutoML Vision

Answer: A

Explanation:
https://en.wikipedia.org/wiki/TensorFlow TensorFlow is a free and open-source software library for machine learning and artificial intelligence. Developer Google Brain Team

NEW QUESTION 280
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