EXAM TOPICS QUESTIONS FOR CDL

Q.1 You are migrating workloads to the cloud. The goal of the migration is to serve customers worldwide as quickly as possible according to local regulations, certain data is required to be stored in a specific geographic area, and it can be served worldwide. You need to design the architecture and deployment for your workloads.
What should you do?

- A. Select a public cloud provider that is only active in the required geographic area
- B. Select a private cloud provider that globally replicates data storage for fast data access
- C. Select a public cloud provider that guarantees data location in the required geographic area
- D. Select a private cloud provider that is only active in the required geographic area

Q.2 Your organization needs a large amount of extra computing power within the next two weeks.
After those two weeks, the need for the additional resources will end.
Which is the most cost-effective approach?

- A. Use a committed use discount to reserve a very powerful virtual machine
- B. Purchase one very powerful physical computer
- C. Start a very powerful virtual machine without using a committed use discount
- D. Purchase multiple physical computers and scale workload across them

Q.3 Your organization needs to plan its cloud infrastructure expenditures.
Which should your organization do?

- A. Review cloud resource costs frequently, because costs change often based on use
- B. Review cloud resource costs annually as part of planning your organization's overall budget
- C. If your organization uses only cloud resources, infrastructure costs are no longer part of your overall budget
- D. Involve fewer people in cloud resource planning than your organization did for on-premises resource planning

Q.4 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

Q.5 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 years. Renew your licenses for an additional period of 3 years. Negotiate a cost reduction with your current hosting provider wherein infrastructure cost is reduced when workloads are not in use
- B. Renew your licenses for an additional period of 2 years. Negotiate a cost reduction by committing to an automatic renewal of the licenses at the end of the 2 year period
- C. Migrate the workloads to Compute Engine with a bring-your-own-license (BYOL) model
- D. Migrate the workloads to Compute Engine with a pay-as-you-go (PAYG) model

Q.6 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

Q.7 An organization decides to migrate their on-premises 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 two.)

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

Q.8 You are a program manager within a Software as a Service (SaaS) company that offers rendering software for animation studios. Your team needs the ability to allow scenes to be scheduled at will and to be interrupted at any time to restart later. Any individual scene rendering takes less than 12 hours to complete, and there is no service-level agreement (SLA) for the completion time for all scenes. Results will be stored in a global Cloud Storage bucket. The compute resources are not bound to any single geographical location. This software needs to run on Google Cloud in a cost-optimized way.
What should you do?

- A. Deploy the application on Compute Engine using preemptible instances
- B. Develop the application so it can run in an unmanaged instance group
- C. Create a reservation for the minimum number of Compute Engine instances you will use
- D. Start more instances with fewer virtual centralized processing units (vCPUs) instead of fewer instances with more vCPUs

Q.9 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

Q.10 Your multinational organization has servers running mission-critical workloads on its premises around the world. You want to be able to manage these workloads consistently and centrally, and you want to stop managing infrastructure.
What should your organization do?

- A. Migrate the workloads to a public cloud
- B. Migrate the workloads to a central office building
- C. Migrate the workloads to multiple local co-location facilities
- D. Migrate the workloads to multiple local private clouds

Q.11 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

Q. 12 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

Q.13 Each of the three cloud service models - infrastructure as a service (IaaS), platform as a service (PaaS), and software as a service (SaaS) - offers benefits between flexibility and levels of management by the cloud provider and the customer.
Why would SaaS be the right choice of service model?

- A. You want a balance between flexibility for the customer and the level of management by the cloud provider
- B. You want to minimize the level of management by the customer
- C. You want to maximize flexibility for the customer.
- D. You want to be able to shift your emphasis between flexibility and management by the cloud provider as business needs change

Q.14 As your organization increases its release velocity, the VM-based application upgrades take a long time to perform rolling updates due to OS boot times. You need to make the application deployments faster.
What should your organization do?

- A. Migrate your VMs to the cloud, and add more resources to them
- B. Convert your applications into containers
- C. Increase the resources of your VMs
- D. Automate your upgrade rollouts

Q.15 Your organization uses Active Directory to authenticate users. Users' Google account access must be removed when their Active Directory account is terminated.
How should your organization meet this requirement?

- A. Configure two-factor authentication in the Google domain
- B. Remove the Google account from all IAM policies
- C. Configure BeyondCorp and Identity-Aware Proxy in the Google domain
- D. Configure single sign-on in the Google domain

Q.16 Your company has recently acquired three growing startups in three different countries. You want to reduce overhead in infrastructure management and keep your costs low without sacrificing security and quality of service to your customers.
How should you meet these requirements?

- A. Host all your subsidiaries' services on-premises together with your existing services.
- B. Host all your subsidiaries' services together with your existing services on the public cloud.
- C. Build a homogenous infrastructure at each subsidiary, and invest in training their engineers.
- D. Build a homogenous infrastructure at each subsidiary, and invest in hiring more engineers.

Q. 17 What is the difference between Standard and Coldline storage?

- A. Coldline storage is for data for which a slow transfer rate is acceptable.
- B. Standard and Coldline storage have different durability guarantees.
- C. Standard and Coldline storage use different APIs.
- D. Coldline storage is for infrequently accessed data.

Q.18 What would provide near-unlimited availability of computing resources without requiring your organization to procure and provision new equipment?

- A. Public cloud
- B. Containers
- C. Private cloud
- D. Microservices

Q.19 You are a program manager for a team of developers who are building an event-driven application to allow users to follow one another's activities in the app. Each time a user adds himself as a follower of another user, a write occurs in the real-time database.
The developers will develop a lightweight piece of code that can respond to database writes and generate a notification to let the appropriate users know that they have gained new followers. The code should integrate with other cloud services such as Pub/Sub, Firebase, and Cloud APIs to streamline the orchestration process. The application requires a platform that automatically manages underlying infrastructure and scales to zero when there is no activity.
Which primary compute resource should your developers select, given these requirements?

- A. Google Kubernetes Engine
- B. Cloud Functions
- C. App Engine flexible environment
- D. Compute Engine

Q.20 Your organization is developing an application that will capture a large amount of data from millions of different sensor devices spread all around the world. Your organization needs a database that is suitable for worldwide, high-speed data storage of a large amount of unstructured data.
Which Google Cloud product should your organization choose?

- A. Firestore
- B. Cloud Data Fusion
- C. Cloud SQL
- D. Cloud Bigtable

Q.21 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

Q.22 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

Q.23 Which Google Cloud product can report on and maintain compliance on your entire Google Cloud organization to cover multiple projects?

- A. Cloud Logging
- B. Identity and Access Management
- C. Google Cloud Armor
- D. Security Command Center

Q.24 Your organization needs to establish private network connectivity between its on-premises network and its workloads running in Google Cloud. You need to be able to set up the connection as soon as possible.
Which Google Cloud product or feature should you use?

- A. Cloud Interconnect
- B. Direct Peering
- C. Cloud VPN
- D. Cloud CDN

Q.25 Your organization is developing a mobile app and wants to select a fully featured cloud-based compute platform for it.
Which Google Cloud product or feature should your organization use?

- A. Google Kubernetes Engine
- B. Firebase
- C. Cloud Functions
- D. App Engine

Q. 26 Your company has been using a shared facility for data storage and will be migrating to Google Cloud. One of the internal applications uses Linux custom images that need to be migrated.
Which Google Cloud product should you use to maintain the custom images?

- A. App Engine flexible environment
- B. Compute Engine
- C. App Engine standard environment
- D. Google Kubernetes Engine

Q.27 Your organization wants to migrate its data management solutions to Google Cloud because it needs to dynamically scale up or down and to run transactional SQL queries against historical data at scale. Which Google Cloud product or service should your organization use?

- A. BigQuery
- B. Cloud Bigtable
- C. Pub/Sub
- D. Cloud Spanner

Q.28 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

Q.29 Your organization runs all its workloads on Compute Engine virtual machine instances. Your organization has a security requirement: the virtual machines are not allowed to access the public internet. The workloads running on those virtual machines need to access BigQuery and Cloud Storage, using their publicly accessible interfaces, without violating the security requirement.
Which Google Cloud product or feature should your organization use?

- A. Identity-Aware Proxy
- B. Cloud NAT (network address translation)
- C. VPC internal load balancers
- D. Private Google Access

Q.30 Which Google Cloud product is designed to reduce the risks of handling personally identifiable information (PII)?

- A. Cloud Storage
- B. Google Cloud Armor
- C. Cloud Data Loss Prevention
- D. Secret Manager

Q.31 Your organization is migrating to Google Cloud. As part of that effort, it needs to move terabytes of data from on-premises file servers to Cloud Storage. Your organization wants the migration process to be automated and to be managed by Google. Your organization has an existing Dedicated Interconnect connection that it wants to use. Which Google Cloud product or feature should your organization use?

- A. Storage Transfer Service
- B. Migrate for Anthos
- C. BigQuery Data Transfer Service
- D. Transfer Appliance

Q. 32 Your organization needs to analyze data in order to gather insights into its daily operations. You only want to pay for the data you store and the queries you perform.

Which Google Cloud product should your organization choose for its data analytics warehouse?

- A. Cloud SQL
- B. Dataproc
- C. Cloud Spanner
- D. BigQuery

Q.33 Your organization wants to run a container-based application on Google Cloud. This application is expected to increase in complexity. You have a security need for fine-grained control of traffic between the containers. You also have an operational need to exercise fine-grained control over the application's scaling policies.
What Google Cloud product or feature should your organization use?

- A. Google Kubernetes Engine cluster
- B. App Engine
- C. Cloud Run
- D. Compute Engine virtual machines

Q.34 Which Google Cloud product or feature makes specific recommendations based on security risks and compliance violations?

- A. Google Cloud firewalls
- B. Security Command Center
- C. Cloud Deployment Manager
- D. Google Cloud Armor

Q.35 Which Google Cloud product provides a consistent platform for multi-cloud application deployments and extends other Google Cloud services to your organization's environment?

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

Q.36 Your organization is developing an application that will manage payments and online bank accounts located around the world. The most critical requirement for your database is that each transaction is handled consistently. Your organization anticipates almost unlimited growth in the amount of data stored.
Which Google Cloud product should your organization choose?

- A. Cloud SQL
- B. Cloud Storage
- C. Fire store
- D. Cloud Spanner

Q. 37 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

Q.38 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

Q. 39 Your organization needs to restrict access to a Cloud Storage bucket. Only employees who are based in Canada should be allowed to view the contents.
What is the most effective and efficient way to satisfy this requirement?

- A. Deploy the Cloud Storage bucket to a Google Cloud region in Canada
- B. Configure Google Cloud Armor to allow access to the bucket only from IP addresses based in Canada
- C. Give each employee who is based in Canada access to the bucket

- D. Create a group consisting of all Canada-based employees, and give the group access to the bucket

Q. 40 Your organization is moving an application to Google Cloud. As part of that effort, it needs to migrate the application's working database from another cloud provider to Cloud SQL. The database runs on the MySQL engine. The migration must cause minimal disruption to users. Data must be secured while in transit.
Which should your organization use?

- A. BigQuery Data Transfer Service
- B. MySQL batch insert
- C. Database Migration Service
- D. Cloud Composer

Q.41 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

Q.42 Your company is running the majority of its workloads in a co-located data center. The workloads are running on virtual machines (VMs) on top of a hypervisor and use either Linux or Windows server editions. As part of your company's transformation strategy, you need to modernize workloads as much as possible by adopting cloud-native technologies. You need to migrate the workloads into Google Cloud.
What should you do?

- A. Export the VMs into VMDK format, and import them into Compute Engine
- B. Export the VMs into VMDK format, and import them into Google Cloud VMware Engine
- C. Migrate the workloads using Migrate for Compute Engine
- D. Migrate the workloads using Migrate for Anthos

Q.43Your 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 maximum 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

Q44 Your organization is releasing its first publicly available application in Google Cloud. The application is critical to your business and customers and requires a 2- hour SLA. How should your organization set up support to minimize costs?

- A. Enroll in Premium Support
- B. Enroll in Enhanced Support
- C. Enroll in Standard Support
- D. Enroll in Basic Support

Q.45 Your organization offers public mobile apps and websites. You want to migrate to a Google Cloud-based solution for checking and maintaining your users' usernames and passwords and controlling their access to different resources based on their identity. Which should your organization choose?

- A. VPN tunnels
- B. Identity Platform
- C. Compute Engine firewall rules
- D. Private Google Access

Q.46 Which Google Cloud service or feature lets you build machine learning models using Standard SQL and data in a data warehouse?

- A. BigQuery ML
- B. TensorFlow
- C. AutoML Tables
- D. Cloud Bigtable ML

Q.47 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

Q.48 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 team members' requests
- D. Make every member of your company the project owner

Q.49 Your organization runs many workloads in different Google Cloud projects, each linked to the same billing account. Each project's workload costs can vary from month to month, but the overall combined cost of all projects is relatively stable. Your organization needs to optimize its cost.
What should your organization do?

- A. Purchase a commitment per project for each project's usual minimum
- B. Create a billing account per project, and link each project to a different billing account
- C. Turn on committed use discount sharing, and create a commitment for the combined usage
- D. Move all workloads from all different projects into one single consolidated project

Q.50 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

Q.51 Your organization wants to optimize its use of Google Cloud's discounts on virtual machine-based workloads. You plan to use 200 CPUs constantly for the next 3 years, and you forecast that spikes of up to 300 CPUs will occur approximately 30% of the time. What should you choose?

- A. 1-year committed use discount for 200 CPUs
- B. 3-year committed use discount for 300 CPUs
- C. 3-year committed use discount for 200 CPUs
- D. Regular pay-as-you-go pricing

Q.52 Your organization needs to minimize how much it pays for data traffic from the Google network to the internet. What should your organization do?

- A. Choose the Standard network service tier.
- B. Choose the Premium network service tier.
- C. Deploy Cloud VPN.
- D. Deploy Cloud NAT.

Q.53 Your organization wants to migrate your on-premises environment to Google Cloud. The on-premises environment consists of containers and virtual machine instances. Which Google Cloud products can help to migrate the container images and the virtual machine disks?

- A. Compute Engine and Filestore
- B. Artifact Registry and Cloud Storage
- C. Dataflow and BigQuery
- D. Pub/Sub and Cloud Storage

Q.54 Your company security team manages access control to production systems using an LDAP directory group.
How is this access control managed in the Google Cloud production project?

- A. Assign the proper role to the Service Account in the project's IAM Policy
- B. Grant each user the roles/iam.serviceAccountUser role on a service account that exists in the Google Group.
- C. Assign the proper role to the Google Group in the project's IAM Policy.
- D. Create the project in a folder with the same name as the LDAP directory group.

Q.55 Your organization wants to be sure that is expenditures on cloud services are in line with the budget. Which two Google Cloud cost management features help your organization gain greater visibility into its cloud resource costs? (Choose two.)

- A. Billing dashboards
- B. Resource labels
- C. Sustained use discounts
- D. Financial governance policies
- E. Payments profile

Q. 56 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

Q.57 Your organization needs to ensure that the Google Cloud resources of each of your departments are segregated from one another. Each department has several environments of its own: development, testing, and production. Which strategy should your organization choose?

- A. Create a project per department, and create a folder per environment in each project.
- B. Create a folder per department, and create a project per environment in each folder.
- C. Create a Cloud Identity domain per department, and create a project per environment in each domain.
- D. Create a Cloud Identity domain per environment, and create a project per department in each domain.

Q.58 Your organization is defining the resource hierarchy for its new application in Google Cloud. You need separate development and production environments. The production environment will be deployed in Compute Engine in two regions. Which structure should your organization choose?

- A. Create a single project for all environments. Use labels to segregate resources by environment.
- B. Create a single project for all environments. Use tags to segregate resources by environment.
- C. Create one project for the development environment and one project for the production environment.
- D. Create two projects for the development environment and two projects for the production environment (one for each region).

Q. 59 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.
- D. Contact Technical Support.

Q. 60 Your organization needs to allow a production job to have access to a BigQuery dataset. The production job is running on a Compute Engine instance that is part of an instance group.
What should be included in the IAM Policy on the BigQuery dataset?

- A. The Compute Engine instance group
- B. The project that owns the Compute Engine instance
- C. The Compute Engine service account
- D. The Compute Engine instance

Q.61 Your team is publishing research results and needs to make large amounts of data available to other researchers within the professional community and the public at minimum cost.
How should you host the data?

- A. Use a Cloud Storage bucket and enable ג€Requester Pays.ג€

- B. Use a Cloud Storage bucket and provide Signed URLs for the data files.
- C. Use a Cloud Storage bucket and set up a Cloud Interconnect connection to allow access to the data.
- D. Host the data on-premises, and set up a Cloud Interconnect connection to allow access to the data.

Q.62 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.

Q.63 How do Migrate for Compute Engine and Migrate for Anthos differ?

- A. Unlike Migrate for Anthos, Migrate for Compute Engine assumes that the migration source is VMware vSphere.
- B. Migrate for Compute Engine charges for ingress, but Migrate for Anthos does not.
- C. Migrate for Compute Engine is closed source, and Migrate for Anthos is open source.
- D. Migrate for Anthos migrates to containers, and Migrate for Compute Engine migrates to virtual machines.

Q.64 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

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organization ==membership==.
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- 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

Q.66 Your organization ==consists== of ==many teams==. Each team has ==many Google Cloud projects==. Your organization ==wants to simplify== the ==management== of ==identity== and ==access policies== for these projects.
How can you group these projects to meet this goal?

- A. Group each team's projects into a separate domain
- B. Assign labels based on the virtual machines that are part of each team's projects
- C. Use folders to group each team's projects
- D. Group each team's projects into a separate organization node

Q.67 An organization ==needs== to ==categorize== ==text-based customer reviews== on their ==website== using a ==pre-trained machine learning model==.
Which Google Cloud ==product== or ==service== should the ==organization use==?

- A. Cloud Natural Language API
- B. Dialogflow
- C. Recommendations AI
- D. TensorFlow

Q.68 An organization is ==planning its cloud expenditure==.
What should the organization do to control costs?

- A. Consider cloud resource costs as capital expenditure in annual planning.
- B. Use only cloud resources; they have no cloud infrastructure costs.
- C. Review cloud resource costs frequently because costs depend on usage.
- D. Assess cloud resources costs only when SLO is not met by their cloud provider.

Q. 69 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

Q.70 What is an example of unstructured data that organizations can capture from social media?

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

Q.71 An organization relies on online seasonal sales for the majority of their annual revenue.
Why should the organization use App Engine for their customer app?

- A. Automatically adjusts physical inventory in real time
- B. Autoscales during peaks in demand
- C. Runs maintenance during seasonal sales
- D. Recommends the right products to customers

Q.72 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

Q.73 A global organization is developing an application to manage payments and online bank accounts in multiple regions. Each transaction must be handled consistently in

their database, and they anticipate almost unlimited growth in the amount of data stored.
Which Google Cloud product should the organization choose?

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

Q.74 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

Q.75 An organization needs to run frequent updates for their business app.
Why should the organization use Google Kubernetes Engine (GKE)?

- A. Customer expectations can be adjusted without using marketing tools
- B. Seamless changes can be made without causing any application downtime.
- C. GKE handles version control seamlessly and out of the box
- D. GKE is well suited for all monolithic applications

Q.76 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
- C. Analyze application development speed
- D. Market and sell APIs

Q.77 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

Q.78 A hotel wants to modernize their legacy systems so that customers can make reservations through a mobile app.
What's the benefit of using an application programming interface (API) to do this?

- A. They do not have to develop the end-user application
- B. They can deprecate their legacy systems
- C. They can transform their systems to be cloud-native
- D. They do not have to rewrite the legacy system

Q.79 An organization wants to digitize and share large volumes of historical text and images.
Why is a public cloud a better option than an on-premises solution?

- A. In-house hardware management
- B. Provides physical encryption key
- C. Cost-effective at scale
- D. Optimizes capital expenditure

Q.80 An organization wants to develop an application that can be personalized to user preferences throughout the year.
Why should they build a cloud-native application instead of modernizing their existing on-premises application?

- A. Developers can rely on the cloud provider for all source code
- B. Developers can launch new features in an agile way
- C. IT managers can migrate existing application architecture without needing updates
- D. IT managers can accelerate capital expenditure planning

Q.81 Which technology allows organizations to run multiple computer operating systems on a single piece of physical hardware?

- A. Hypervisor
- B. Containers
- C. Serverless computing
- D. Open source

Q. 82 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

Q.83 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

Q.84 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

Q.85 An organization is training a machine learning model to predict extreme weather events in their country.
How should they collect data to maximize prediction accuracy?

- A. Collect all weather data evenly across all cities
- B. Collect all weather data primarily from at-risk cities
- C. Collect extreme weather data evenly across all cities
- D. Collect extreme weather data primarily from at-risk cities

Q.86 An organization needs to search an application's source code to identify a potential issue. The application is distributed across multiple containers.
Which Google Cloud product should the organization use?

- A. Google Cloud Console
- B. Cloud Trace
- C. Cloud Monitoring
- D. Cloud Logging

Q.87 An organization's web developers and operations personnel use different systems.
How will increasing communication between the teams reduce issues caused by silos?

- A. By assigning blame for failures and establishing consequences
- B. By combining job role responsibilities to ensure that everyone has shared access
- C. By increasing data encryption to strengthen workflows
- D. By emphasizing shared ownership of business outcomes

Q.88 How does a large hotel chain benefit from storing their customer reservation data in the cloud?

- A. On-premises hardware access to transaction data
- B. Real-time data transformation at scale within an on-premises database
- C. Real-time business transaction accuracy at scale
- D. Physical hardware access during peak demand

Q.89 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

Q.90 An organization operates their entire IT infrastructure from Google Cloud.
What should they do to prepare for data breaches?

- A. Reduce reliance on multi-factor authentication
- B. Data security is Google's responsibility, so preparation is minimal
- C. Create an incident plan to mitigate impacts
- D. Strengthen their data center perimeter security

Q.91 An organization wants to transform multiple types of structured and unstructured data in the cloud from various sources. The data must be readily accessible for analysis and insights.
Which cloud data storage system should the organization use?

- A. Relational database
- B. Private data center
- C. Data field
- D. Data warehouse

Q.92 An organization wants to use all available data to offer predictive suggestions on their website that improve over time.
Which method should the organization use?

- A. Data automation
- B. Trends analysis
- C. Machine learning
- D. Multiple regression

Q.93 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

Q.94 Why do organizations often struggle to scale their on-premises application infrastructure?

- A. Scaling compute instances could breach compliance and/or regulation
- B. Increasing compute capacity is time-consuming and costly
- C. Their serverless compute functions struggle to meet the demand
- D. Their multi-cloud architecture is complex and expensive

Q.95 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

Q.96 What is logging within the context of cloud technology?

- A. Writing application and operating system events as text
- B. Monitoring network and resource limitations
- C. Tracking source code across an organization
- D. Recording infrastructure and hardware expenditure

Q.97 How does Cloud SQL help organizations create business insights?

- A. Integrates with business intelligence and analytics platforms

- B. Generates predictions using machine learning models
- C. Generates real-time charts and intelligent analytics
- D. Transforms business data from unstructured to structured

Q.98 An organization recently launched a virtual customer support agent, generating vast amounts of text and speech data.
Why should they use a cloud data warehouse to interpret this data?

- A. To natively visualize both types of data using a dashboard in real time
- B. To ingest and analyze structured and unstructured data at scale, in real time
- C. To secure data transmission between cloud and on-premises environments
- D. To transform data from structured to unstructured

Q.99 An organization wants to add a new function to their application. They want to write the code and let the public cloud provider handle the infrastructure.
Which infrastructure solution should they use?

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

Q.100 An organization wants to leverage tooling and automation as part of its new DevOps philosophy.
Which operational challenge will this resolve?

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

Q.101 An organization needs to store structured, semi-structured, and unstructured data in its raw, native format in the same repository.
Which cloud data management solution should the organization use?

- A. Data field
- B. Data lake
- C. Database
- D. Data warehouse

Q.102 An organization wants its users to validate a series of new features for their app. Why should they use App Engine?

- A. Because their app is containerized and enabled by microservices
- B. Because the updated app will only include new features
- C. To run different versions of the app for different users
- D. To run different versions of the app for the same user

Q.103 How would an organization benefit from using Looker?

- A. Optimal identity and access management
- B. Leading serverless warehousing technology
- C. Robust data roll-back accuracy
- D. Advanced business intelligence and analytics

Q.104 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

Q.105 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

Q.106 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

Q.107 An organization wants to move from a tactical cloud adoption approach to a transformational approach.
How should they adapt the way they lead the organization?

- A. Increase top-down visibility and foster a culture of blamelessness
- B. Shift from an operational expenditure model to capital expenditure
- C. Drive cloud adoption with an individual contributor focus
- D. Invest in on-premises infrastructure to redesign relationships between IT and employees

Q.108 Why is data stored in Google Cloud secure and private?

- A. Data is encrypted by the Security Command Center
- B. Data is encrypted by Cloud Data Loss Prevention
- C. Data is encrypted by default
- D. Data is encrypted when an appropriate tag is applied

Q.109 An organization wants to use multiple marketing datasets to forecast user acquisition.
How should they use cloud technology to gain new insights from the data?

- A. Import the datasets into a custom data warehouse, and then archive old data
- B. Import and selectively archive the datasets in a custom data lake
- C. Separate the datasets and make predictions using machine learning
- D. Combine the datasets and make predictions using machine learning

Q.110 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

Q.111 A manager wants to review Google Cloud data access among their employees. Who is responsible for defining data access policies?

- A. Cloud Identity
- B. Google Cloud Customer Care team
- C. Their organization's IT team
- D. Their organization's end users

Q.112 An organization has decided to modernize their applications in the cloud to keep up with their customers' needs.
What may have prompted this business decision?

- A. Their on-premises applications only autoscale to meet demand.
- B. They want to change from a pay-as-you-go model to a capital expenditure model.
- C. Their source code changes erroneously without developer interaction.
- D. Their on-premises applications take months to update and deploy.

Q.113 An organization needs to categorize a large group of photographs using pre-trained machine learning.
Which Google Cloud product or service should the organization use?

- A. Vision API
- B. BigQuery ML
- C. AutoML Vision
- D. Looker

Q.114 An organization provides a loyalty program for its customers. It recently partnered with other businesses so that customers can get loyalty points at a range of other stores.
Why should the organization use application programming interfaces (APIs)?

- A. To migrate all partner data for disaster recovery
- B. To analyze and publish loyalty program statistics to a dashboard
- C. To personalize recommendations for loyalty card users

- D. To connect third-party systems to ensure up-to-date information

Q.115 A travel agency wants to seamlessly share their social media content with partners.
What should the organization use?

- A. A NoSQL database
- B. Anthos Config Management
- C. The App Engine standard environment
- D. An application programming interface (API)

Q.116 How do out-of-the-box APIs make artificial intelligence and machine learning more accessible for all Google Cloud customers?

- A. They don't require technical specialists.
- B. They don't require data input and validation.
- C. They require fewer security permissions.
- D. They all require custom training models.

Q.117 An organization needs to migrate specialized workloads to the cloud while maintaining their existing complex licensing and architecture.
What Google Cloud solution should the organization use?

- A. Compute Engine
- B. Bare Metal Solution
- C. Cloud Run
- D. Cloud Functions

Q.118 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.

Q.119 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

Q.120 An organization is planning to create many new applications and needs a system for managing and orchestrating their containers.
Why should they use Google Kubernetes Engine?

- A. It enables rapid application deployment and testing.
- B. It optimizes virtual machine performance.
- C. It connects legacy systems to an application.
- D. It provides pre-written source code for application development.

Q.121 How does Google Cloud enable customers to leverage the power of artificial intelligence and machine learning?

- A. With scalable on-premises tensor processing units
- B. With APIs and tools for users at different levels of expertise
- C. With affordable and scalable quantum computing
- D. With machine learning models that always require custom training

Q.122 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

Q.123 An organization's public cloud provider failed to meet their SLA of 99.99% availability.
What is the potential impact on the organization?

- A. The organization risks using up their error budget.
- B. Renegotiation of the SLA to put less emphasis on uptime could be necessary.
- C. Unexpected downtime could risk the loss of customers.
- D. All data stored in their database could be unexpectedly lost.

Q.124 An organization needs to train a machine learning model to categorize photographs.
Which Google Cloud product or service should the organization use?

- A. Video Intelligence API
- B. AutoML Vision
- C. BigQuery ML
- D. Looker

Q.125 A multinational organization has decided to use public cloud services to modernize their IT infrastructure.
What is one benefit of doing this?

- A. They can perform hardware maintenance outside of normal business hours.
- B. They can expect 100% service availability in all regions.
- C. Built-in security is no longer required during data migrations.
- D. Access to data and computer resources is not tied to a geographical location.

Q.126 An organization meets their service level objective (SLO) of 99.999% (`five nines`).
How much downtime do their end users experience per year?

- A. 5 minutes
- B. 500 minutes
- C. 5 hours
- D. 5 days

Q.127 An organization wants to introduce a new image recognition login system.
What should the organization do to follow SRE principles?

- A. Roll out the new system to a subset of employees to test it out.
- B. Roll out the new system to all employees to collect as much data as possible.
- C. Avoid rolling out the new system because it may have security flaws.
- D. Avoid rolling out the new system because it may violate privacy policy.

Q.128 What does Cloud Debugger help an organization do?

- A. Implement code updates in real time without affecting the service level objective (SLO).
- B. Inspect source code in real time without affecting user downtime.
- C. Manage code and accelerate application development.
- D. Analyze live source code during user downtime.

Q.129 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

Q.130 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

Q.131 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.

Q.132 An organization wants to upskill their IT staff.
How can they do this in a transformational way?

- A. Prioritize training current employees instead of hiring new recruits with cloud experience.
- B. Prioritize giving privileged access to third-party partners and contractors to fill IT knowledge gaps.
- C. Create a culture of self-motivated, isolated learning with official training materials.
- D. Create a culture of continuous peer-to-peer learning with official training materials.

Q.133 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 ג€least-privilegeג€ to roles for each employee
- D. By creating a single shared service account for all departments

Q.134 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.

Q.135 What is monitoring within the context of cloud operations?

- A. Observing cloud expenditure in real time to ensure that budgets are not exceeded
- B. Collecting predefined and custom metrics from applications and infrastructure
- C. Tracking user activities to guarantee compliance with privacy regulations
- D. Tracing user location to document regional access and utilization

Q.136 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.

Q.137 Why should an organization consider the total cost of ownership (TCO) when moving from on-premises to the cloud?

- A. To evaluate error budget
- B. To understand service level availability
- C. To evaluate return on investment
- D. To calculate required compute power

Q.138 How does Google Cloud ensure that customer data remains secure and private when at rest?

- A. By aggregating training data for customers within each industry
- B. By automatically locking files containing suspicious code
- C. By auditing platform privacy practices against industry standards
- D. By providing privacy reviews for critical customer applications

Q.139 An organization's developers are growing increasingly frustrated by the limitations of their on-premises infrastructure.
How would they benefit from leveraging cloud technology?

- A. They can expect 100% service availability.
- B. They can avoid the limitations of serverless computing.
- C. They can have new tools to innovate and optimize resource usage.
- D. They can optimize maintenance for their on-premises infrastructure.

Q.140 How is service availability measured in the context of cloud technology?

- A. Number of available regions
- B. Percentage of uptime
- C. Speed of response time
- D. Number of downtime incidents

Q.141 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

Q.142 An organization is altering their gaming product so that it is compatible with cloud technology.
What can they expect when moving from traditional technology to cloud technology?

- A. No change to existing responsibilities
- B. A shift toward OpEx
- C. A shift toward using structured data
- D. Increased hardware maintenance

Q. 143 When an organization adopts cloud technology, how does their total cost of ownership (TCO) shift?

- A. Away from cost management toward capital expenditure
- B. Away from operational expenditure toward cost management
- C. Away from capital expenditure toward operational expenditure
- D. Away from operational expenditure toward capital expenditure

Q.144 Which policy helps Google Cloud keep customer data private?

- A. Google tests the service availability of customer applications.
- B. Google does not use customer data for advertising purposes.
- C. Google migrates customer data to an offline server when a threat is detected.
- D. Google does not allow customers to change encryption keys.

Q.145 A cloud-native organization is not meeting their service level objective (SLO) but has not exhausted their error budget.
What should the organization prioritize?

- A. Innovation to improve user experience
- B. Hardware reliability to improve availability
- C. Stability to avoid prolonged user downtime
- D. Speed to release new features

Q.146 An organization is moving away from an on-premises infrastructure. Instead, they want to create, access, and share information virtually in the cloud.
What should the organization consider?

- A. Built-in security when moving their data to the cloud
- B. Replacing their perimeter security with data encryption keys
- C. Optimizing cost-management with a capital expenditure model
- D. Increased hardware capacity when moving their data to the cloud

Q.147 An organization has an on-premises IT infrastructure. Their customer-facing application repeatedly fails during peak usage.
What could be causing this issue?

- A. A serverless compute function struggles to scale.
- B. The application contains unclean data.
- C. They don't have enough servers to meet the demand.
- D. The application is only configurable on-premises.

Q.148 What is artificial intelligence?

- A. Any system that ingests data in real time
- B. Any system that automatically structures data
- C. Any system capable of a task that requires smart analytics to generate predictions
- D. Any system capable of a task that normally requires human cognition

Q.149 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.

Q.150 How is privacy defined in the context of cloud technology?

- A. Restrictions on data access and sharing
- B. Procedures to authenticate user identity
- C. Susceptibility to data breaches and cyber attacks
- D. Compliance with regulatory standards

Q.151 An organization wants to write and run small pieces of code in a serverless way that respond to events like huge discounts.
Which Google Cloud compute solution should the organization use?

- A. Google Kubernetes Engine
- B. Cloud Functions
- C. Bare Metal Solution
- D. Compute Engine

Q.152 An organization wants to search hundreds of scanned documents for key information like dates, names, and other specific words.
Why should the organization use application programming interfaces (APIs)?

- A. To replace the scanned documents with an online survey
- B. To ingest data in real time and encrypt unmatched words
- C. To create digital versions of the documents and locate key information
- D. To transform the documents into unstructured data.

Q.153 An organization needs a platform to create custom end-to-end artificial intelligence models.
Which Google Cloud product or service should the organization use?

- A. Dataproc
- B. Compute Engine
- C. Recommendations AI

- D. Vertex AI

Q.154 An organization is training a machine learning model to make predictions. What could improve the prediction accuracy of their model?

- A. An increase in storage capacity
- B. Higher network bandwidth
- C. An increase in training data
- D. Faster CPU processors

Q.155 What is an example of structured data that a healthcare facility stores in their system?

- A. X-ray images
- B. Surgery video recordings
- C. Blood pressure history
- D. Physician-written notes

Q.156 An organization wants to move from a tactical cloud adoption approach to a transformational approach.
How should they change their cloud security?

- A. Provide staff identities using only Google Cloud authentication.
- B. Provide multiple layers of network security using a zero-trust model.
- C. Emphasize strong perimeter security and trust in their private network.
- D. Emphasize three main Identity Access Management roles: owner, editor, and viewer.

Q.157 What can customers expect if their cloud provider doesn't meet their service level agreement (SLA)?

- A. Increase in subscription fees
- B. Cloud service shutdown
- C. Refund for service interruption
- D. Error budget expansion

Q.158 An organization wants to ensure that their developers can easily use application programming interfaces (APIs) in future projects.

Which Google product or solution should they use?

- A. Application migration
- B. Apigee
- C. The App Engine flexible environment
- D. AppSheet

Q.159 An organization needs frequent access to only a subset of their data. They want to reduce costs by depositing the rest of their data across Nearline, Coldline, and Archive repositories.

Which Google Cloud product should the organization use?

- A. Filestore
- B. Cloud Storage
- C. Data Catalog
- D. Cloud Spanner

Q.160 A customer service department wants to increase their operational efficiency while maintaining personalized dialog with their customers.

What Google Cloud product or service should the organization use?

- A. Recommendations AI
- B. Cloud Identity
- C. Contact Center AI
- D. Text-to-Speech

Q.161 An organization is struggling to keep up with the growth of their application which is running on legacy infrastructure.

What might be holding them back?

- A. The time it takes their serverless compute function to scale
- B. The overreliance on platform as a service
- C. The inaccessibility of their data due to perimeter security
- D. The cost of provisioning hardware for peak usage

Q.162 An organization wants to build autoscaling web applications without having to manage application infrastructure

Which Google Cloud product should they use?

- A. Anthos
- B. Apigee
- C. AutoML
- D. App Engine

Q.164 An organization needs to train a custom machine learning model to categorize customer responses from their website's contact form.

Which Google Cloud product or service should the organization use?

- A. Anthos
- B. Recommendations AI
- C. AutoML Natural Language
- D. Pub/Sub

Q.165 Which cybersecurity threat can lead to information being stolen or damaged without a user ever being aware?

- A. SLA policy violation
- B. Malware attack
- C. Ransomware attack
- D. Incomplete data input

Q.167 An organization suffers a major data leak only six months after upgrading its security system.

What should the organization do to ensure long-term security?

- A. Extend data retention policy lengths to at least seven years.
- B. Pay more to get the best security system available on the market.
- C. Hire cybersecurity experts to further develop their data security plan
- D. Wait for a more advanced security system to be released

Q.168 An organization has started to develop cloud-native applications to replace their legacy applications.

What else should the organization do to adopt the cloud?

- A. Provide privileged cloud network access to third-party partners.
- B. Migrate some of their legacy infrastructure to the cloud.
- C. Conduct maintenance on their legacy hardware.
- D. Increase CapEx on existing projects.

Q.170 An organization wants to better understand the behavior of their code in production and analyze its state to identify hard-to-find programming errors.

Which Google Cloud tool should the organization use?

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

Q.171 A retail organization has moved all of their inventory data to a relational database in the cloud.

What functionality does a relational database offer?

- A. It stores large amounts of raw data in its original format
- B. It stores transactional data, which can then be accessed electronically
- C. It rapidly analyzes large and multi-dimensional datasets
- D. It analyzes unstructured data, which can then be accessed in multiple regions

Q.172 How does Google Cloud AI Hub make machine learning easy and accessible for Google Cloud customers to get started?

- A. It deploys artificial intelligence models in real time
- B. It automatically codes users' machine learn ng models
- C. It automatically sources and prepares users' machine learning data
- D. It includes a repository of plug-and-play artificial intelligence tools

Q.173 A venue with an online booking system has partnered with a catering business.

How can the venue leverage application programming interfaces (APIs) to create new business value?

- A. Use an API to redesign their booking system to appeal to targeted customers
- B. Use an API to identify opportunities for new business collaboration
- C. Use an API to migrate all their customer data to a machine learning model to predict food requests
- D. Use an API to connect their booking system with the partner's catering form

Q.174 A public cloud provider's service level performance has moved below the service level objective (SLO), but remains above the service level agreement (SLA).

What is an outcome of this change in service level performance?

- A. The public cloud provider is encouraged to push out new updates
- B. The public cloud provider is encouraged to prioritize service reliability
- C. End users face unexpected or prolonged downtime
- D. End users face a decrease in service latency

Q.175 An organization is looking for a solution to help them build applications using their preferred programming language and tools. They also want to minimize time spent on infrastructure management.

What solution should the organization use?

- A. Cloud Run
- B. Dataproc
- C. Pub/Sub
- D. Bare Metal Solution

Q.176 An organization has created a medical fitness app and wants to store a very large amount of data about exercise times, activity, and calories burned for later analysis.

Which data management solution should the organization use?

- A. Data lake

- B. Data warehouse
- C. Data field
- D. Database

Q.177 An organization is looking for a business intelligence solution that allows individual employees and end users to analyze business data and generate insights.

Which Google Cloud product or service should the organization use?

- A. Cloud Spanner
- B. BigQuery
- C. Looker
- D. Dataflow

Q.178 What is out-of-the-box observability within the context of cloud operations?

- A. Monitoring project development timelines
- B. Monitoring IT infrastructure and applications
- C. Monitoring customer satisfaction and feedback
- D. Monitoring cloud subscription costs

Q.179 An organization wants a serverless execution environment for building and connecting cloud services. They can't predict how many resources they'll need.

Which Google Cloud solution should they use?

- A. Compute Engine
- B. Google Kubernetes Engine
- C. Cloud Functions
- D. Bare Metal Solution for SAP

Q.180 An organization is struggling to ensure that their legacy systems meet rapidly changing IT needs.

Why should the organization use application programming interfaces (APIs)?

- A. To expose all underlying data so third parties can make amends

- B. To completely re-architect legacy applications
- C. To achieve long-term operational flexibility
- D. To operate on a pay-as-you go model so IT can scale flexibly

Q.182 An organization cannot afford to modernize their infrastructure, but they want to process data from their legacy system in a modem platform hosted by a business partner.

What solution should the organization choose to make their data accessible?

- A. Compute Engine
- B. Anthos
- C. An application programming interface
- D. Google Kubernetes Engine

Q.183 An international bank is looking for a serverless warehouse solution that lets them perform smart analytics.

Which Google Cloud product or service should the bank use?

- A. Cloud Spanner
- B. Compute Engine
- C. BigQuery
- D. Dataflow

Q.184 How does switching from on-premises to the cloud help organizations gain value over time?

- A. They can expand their internal application hosting infrastructure
- B. They can focus their efforts on solution development
- C. They can increase development of data recovery systems
- D. They can relax their on-premises data security protocols

Q.185 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. Customer data can be used to offer tailored content
- B. Toil automation helps make automatic updates
- C. Updates can be pushed out more quickly to repair bugs
- D. DevOps requires that industry trends be measured and tracked

Q.187 What kind of architecture does a hybrid cloud offer organizations?

- A. A combination of different virtualized servers
- B. A combination of serverless computing and public cloud services
- C. A combination of private cloud infrastructure and public cloud services
- D. A combination of multiple public cloud provider services

Q.188 An international law firm needs their HR application to be able to share and access varying amounts of sensitive data across their branch offices.

Why would using Cloud Storage be beneficial for them?

- A. It stores geographically dispersed copies of data to prevent loss.
- B. It offers an affordable upgrade that enables data encryption.
- C. It randomly allocates data to different storage locations to protect against threats.
- D. It has a low minimum storage amount requirement.

Q.189 A large retail organization uses traditional technology for their ecommerce website. During peaks in traffic, resources are often underutilized or overprovisioned. They have decided to migrate to cloud technology.

What aspect of cloud technology will benefit their ecommerce business?

- A. Agile infrastructure means that they only pay for what they need, when they need it.
- B. Operational expenditure means that their total cost of ownership is more predictable.
- C. Unlimited storage means that their website will never experience downtime.
- D. Shared responsibility means that the cloud provider brings increased visibility during peaks in traffic.

Q.190 An organization is looking for a hybrid-cloud management solution that will help them build and run applications on-premises and in the cloud.

What solution should the organization use?

- A. Anthos
- B. Cloud Functions
- C. App Engine
- D. Compute Engine