

## Associate-Cloud-Engineer Dumps

### Google Cloud Certified - Associate Cloud Engineer

<https://www.certleader.com/Associate-Cloud-Engineer-dumps.html>



**NEW QUESTION 1**

Your company has workloads running on Compute Engine and on-premises. The Google Cloud Virtual Private Cloud (VPC) is connected to your WAN over a Virtual Private Network (VPN). You need to deploy a new Compute Engine instance and ensure that no public Internet traffic can be routed to it. What should you do?

- A. Create the instance without a public IP address.
- B. Create the instance with Private Google Access enabled.
- C. Create a deny-all egress firewall rule on the VPC network.
- D. Create a route on the VPC to route all traffic to the instance over the VPN tunnel.

**Answer: B**

**Explanation:**

Get private access to Google services, such as storage, big data, analytics, or machine learning, without having to give your service a public IP address.

Reference: <https://cloud.google.com/vpc>

**NEW QUESTION 2**

You have just created a new project which will be used to deploy a globally distributed application. You will use Cloud Spanner for data storage. You want to create a Cloud Spanner instance. You want to perform the first step in preparation of creating the instance. What should you do?

- A. Grant yourself the IAM role of Cloud Spanner Admin
- B. Create a new VPC network with subnetworks in all desired regions
- C. Configure your Cloud Spanner instance to be multi-regional
- D. Enable the Cloud Spanner API

**Answer: C**

**NEW QUESTION 3**

Your managed instance group raised an alert stating that new instance creation has failed to create new instances. You need to maintain the number of running instances specified by the template to be able to process expected application traffic. What should you do?

- A. Create an instance template that contains valid syntax which will be used by the instance grou
- B. Delete any persistent disks with the same name as instance names.
- C. Create an instance template that contains valid syntax that will be used by the instance grou
- D. Verify that the instance name and persistent disk name values are not the same in the template.
- E. Verify that the instance template being used by the instance group contains valid synta
- F. Delete any persistent disks with the same name as instance name
- G. Set the disks.autoDelete property to true in the instance template.
- H. Delete the current instance template and replace it with a new instance templat
- I. Verify that the instance name and persistent disk name values are not the same in the templat
- J. Set the disks.autoDelete property to true in the instance template.

**Answer: C**

**NEW QUESTION 4**

You manage an App Engine Service that aggregates and visualizes data from BigQuery. The application is deployed with the default App Engine Service account. The data that needs to be visualized resides in a different project managed by another team. You do not have access to this project, but you want your application to be able to read data from the BigQuery dataset. What should you do?

- A. Ask the other team to grant your default App Engine Service account the role of BigQuery Job User.
- B. Ask the other team to grant your default App Engine Service account the role of BigQuery Data Viewer.
- C. In Cloud IAM of your project, ensure that the default App Engine service account has the role of BigQuery Data Viewer.
- D. In Cloud IAM of your project, grant a newly created service account from the other team the role of BigQuery Job User in your project.

**Answer: C**

**Explanation:**

The Owner, Editor, and Viewer primitive roles include the BigQuery Admin (roles/bigquery.dataOwner), BigQuery Data Editor (roles/bigquery.dataEditor), and BigQuery Data Viewer (roles/bigquery.dataViewer) roles, respectively. This means the Owner, Editor, and Viewer primitive roles have BigQuery access as defined for the respective BigQuery roles.

**NEW QUESTION 5**

You are working with a user to set up an application in a new VPC behind a firewall. The user is concerned about data egress. You want to configure the fewest open egress ports. What should you do?

- A. Set up a low-priority (65534) rule that blocks all egress and a high-priority rule (1000) that allows only the appropriate ports.
- B. Set up a high-priority (1000) rule that pairs both ingress and egress ports.
- C. Set up a high-priority (1000) rule that blocks all egress and a low-priority (65534) rule that allows only the appropriate ports.
- D. Set up a high-priority (1000) rule to allow the appropriate ports.

**Answer: C**

**NEW QUESTION 6**

You need to manage a third-party application that will run on a Compute Engine instance. Other Compute Engine instances are already running with default configuration. Application installation files are hosted on Cloud Storage. You need to access these files from the new instance without allowing other virtual machines (VMs) to access these files. What should you do?

- A. Create the instance with the default Compute Engine service account Grant the service account permissions on Cloud Storage.
- B. Create the instance with the default Compute Engine service account Add metadata to the objects on Cloud Storage that matches the metadata on the new instance.
- C. Create a new service account and assign this service account to the new instance Grant the service account permissions on Cloud Storage.
- D. Create a new service account and assign this service account to the new instance Add metadata to the objects on Cloud Storage that matches the metadata on the new instance.

**Answer: C**

#### NEW QUESTION 7

You have a website hosted on App Engine standard environment. You want 1% of your users to see a new test version of the website. You want to minimize complexity. What should you do?

- A. Deploy the new version in the same application and use the --migrate option.
- B. Deploy the new version in the same application and use the --splits option to give a weight of 99 to the current version and a weight of 1 to the new version.
- C. Create a new App Engine application in the same projec
- D. Deploy the new version in that application.Use the App Engine library to proxy 1% of the requests to the new version.
- E. Create a new App Engine application in the same projec
- F. Deploy the new version in that application.Configure your network load balancer to send 1% of the traffic to that new application.

**Answer: B**

#### NEW QUESTION 8

Your company has an existing GCP organization with hundreds of projects and a billing account. Your company recently acquired another company that also has hundreds of projects and its own billing account. You would like to consolidate all GCP costs of both GCP organizations onto a single invoice. You would like to consolidate all costs as of tomorrow. What should you do?

- A. Link the acquired company's projects to your company's billing account.
- B. Configure the acquired company's billing account and your company's billing account to export the billing data into the same BigQuery dataset.
- C. Migrate the acquired company's projects into your company's GCP organizatio
- D. Link the migrated projects to your company's billing account.
- E. Create a new GCP organization and a new billing accoun
- F. Migrate the acquired company's projects and your company's projects into the new GCP organization and link the projects to the new billing account.

**Answer: D**

#### NEW QUESTION 9

Your company is moving from an on-premises environment to Google Cloud Platform (GCP). You have multiple development teams that use Cassandra environments as backend databases. They all need a development environment that is isolated from other Cassandra instances. You want to move to GCP quickly and with minimal support effort. What should you do?

- A. \* 1. Build an instruction guide to install Cassandra on GCP.\* 2. Make the instruction guide accessible to your developers.
- B. \* 1. Advise your developers to go to Cloud Marketplace.\* 2. Ask the developers to launch a Cassandra image for their development work.
- C. \* 1. Build a Cassandra Compute Engine instance and take a snapshot of it.\* 2. Use the snapshot to create instances for your developers.
- D. \* 1. Build a Cassandra Compute Engine instance and take a snapshot of it.\* 2. Upload the snapshot to Cloud Storage and make it accessible to your developers.\* 3. Build instructions to create a Compute Engine instance from the snapshot so that developers can do it themselves.

**Answer: D**

#### NEW QUESTION 10

You are using Data Studio to visualize a table from your data warehouse that is built on top of BigQuery. Data is appended to the data warehouse during the day. At night, the daily summary is recalculated by overwriting the table. You just noticed that the charts in Data Studio are broken, and you want to analyze the problem. What should you do?

- A. Use the BigQuery interface to review the nightly Job and look for any errors
- B. Review the Error Reporting page in the Cloud Console to find any errors.
- C. In Cloud Logging create a filter for your Data Studio report
- D. Use Cloud Debugger to find out why the data was not refreshed correctly

**Answer: D**

#### NEW QUESTION 10

You need to run an important query in BigQuery but expect it to return a lot of records. You want to find out how much it will cost to run the query. You are using on-demand pricing. What should you do?

- A. Arrange to switch to Flat-Rate pricing for this query, then move back to on-demand.
- B. Use the command line to run a dry run query to estimate the number of bytes rea
- C. Then convert that bytes estimate to dollars using the Pricing Calculator.
- D. Use the command line to run a dry run query to estimate the number of bytes returne
- E. Then convert that bytes estimate to dollars using the Pricing Calculator.
- F. Run a select count (\*) to get an idea of how many records your query will look throug
- G. Then convert that number of rows to dollars using the Pricing Calculator.

**Answer: B**

#### NEW QUESTION 15

You have one GCP account running in your default region and zone and another account running in a

non-default region and zone. You want to start a new Compute Engine instance in these two Google Cloud Platform accounts using the command line interface. What should you do?

- A. Create two configurations using `gcloud config configurations create [NAME]`. Run `gcloud config configurations activate [NAME]` to switch between accounts when running the commands to start the Compute Engine instances.
- B. Create two configurations using `gcloud config configurations create [NAME]`. Run `gcloud configurations list` to start the Compute Engine instances.
- C. Activate two configurations using `gcloud configurations activate [NAME]`. Run `gcloud config list` to start the Compute Engine instances.
- D. Activate two configurations using `gcloud configurations activate [NAME]`. Run `gcloud configurations list` to start the Compute Engine instances.

**Answer:** C

#### NEW QUESTION 18

You need a dynamic way of provisioning VMs on Compute Engine. The exact specifications will be in a dedicated configuration file. You want to follow Google's recommended practices. Which method should you use?

- A. Deployment Manager
- B. Cloud Composer
- C. Managed Instance Group
- D. Unmanaged Instance Group

**Answer:** C

#### NEW QUESTION 21

You need to provide a cost estimate for a Kubernetes cluster using the GCP pricing calculator for Kubernetes. Your workload requires high IOPs, and you will also be using disk snapshots. You start by entering the number of nodes, average hours, and average days. What should you do next?

- A. Fill in local SS
- B. Fill in persistent disk storage and snapshot storage.
- C. Fill in local SS
- D. Add estimated cost for cluster management.
- E. Select Add GPU
- F. Fill in persistent disk storage and snapshot storage.
- G. Select Add GPU
- H. Add estimated cost for cluster management.

**Answer:** C

#### NEW QUESTION 22

Your company uses BigQuery for data warehousing. Over time, many different business units in your company have created 1000+ datasets across hundreds of projects. Your CIO wants you to examine all datasets to find tables that contain an `employee_ssn` column. You want to minimize effort in performing this task. What should you do?

- A. Go to Data Catalog and search for `employee_ssn` in the search box.
- B. Write a shell script that uses the `bq` command line tool to loop through all the projects in your organization.
- C. Write a script that loops through all the projects in your organization and runs a query on `INFORMATION_SCHEMA.COLUMNS` view to find the `employee_ssn` column.
- D. Write a Cloud Dataflow job that loops through all the projects in your organization and runs a query on `INFORMATION_SCHEMA.COLUMNS` view to find `employee_ssn` column.

**Answer:** D

#### NEW QUESTION 26

You are setting up a Windows VM on Compute Engine and want to make sure you can log in to the VM via RDP. What should you do?

- A. After the VM has been created, use your Google Account credentials to log in into the VM.
- B. After the VM has been created, use `gcloud compute reset-windows-password` to retrieve the login credentials for the VM.
- C. When creating the VM, add metadata to the instance using 'windows-password' as the key and a password as the value.
- D. After the VM has been created, download the JSON private key for the default Compute Engine service account
- E. Use the credentials in the JSON file to log in to the VM.

**Answer:** D

#### NEW QUESTION 28

You have a Linux VM that must connect to Cloud SQL. You created a service account with the appropriate access rights. You want to make sure that the VM uses this service account instead of the default Compute Engine service account. What should you do?

- A. When creating the VM via the web console, specify the service account under the 'Identity and API Access' section.
- B. Download a JSON Private Key for the service account
- C. On the Project Metadata, add that JSON as the value for the key `compute-engine-service-account`.
- D. Download a JSON Private Key for the service account
- E. On the Custom Metadata of the VM, add that JSON as the value for the key `compute-engine-service-account`.
- F. Download a JSON Private Key for the service account
- G. After creating the VM, `ssh` into the VM and save the JSON under `~/gcloud/compute-engine-service-account.json`.

**Answer:** A

#### NEW QUESTION 31



Your company runs its Linux workloads on Compute Engine instances. Your company will be working with a new operations partner that does not use Google Accounts. You need to grant access to the instances to your operations partner so they can maintain the installed tooling. What should you do?

- A. Enable Cloud IAP for the Compute Engine instances, and add the operations partner as a Cloud IAP Tunnel User.
- B. Tag all the instances with the same network tag
- C. Create a firewall rule in the VPC to grant TCP access on port 22 for traffic from the operations partner to instances with the network tag.
- D. Set up Cloud VPN between your Google Cloud VPC and the internal network of the operations partner.
- E. Ask the operations partner to generate SSH key pairs, and add the public keys to the VM instances.

**Answer:** B

#### NEW QUESTION 36

You need to host an application on a Compute Engine instance in a project shared with other teams. You want to prevent the other teams from accidentally causing downtime on that application. Which feature should you use?

- A. Use a Shielded VM.
- B. Use a Preemptible VM.
- C. Use a sole-tenant node.
- D. Enable deletion protection on the instance.

**Answer:** D

#### NEW QUESTION 41

You have a Compute Engine instance hosting an application used between 9 AM and 6 PM on weekdays. You want to back up this instance daily for disaster recovery purposes. You want to keep the backups for 30 days. You want the Google-recommended solution with the least management overhead and the least number of services. What should you do?

- A. \* 1. Update your instances' metadata to add the following value: snapshot-schedule: 0 1 \* \* \* \* 2. Update your instances' metadata to add the following value: snapshot-retention: 30
- B. \* 1. In the Cloud Console, go to the Compute Engine Disks page and select your instance's disk.\* 2. In the Snapshot Schedule section, select Create Schedule and configure the following parameters:--Schedule frequency: Daily--Start time: 1:00 AM -- 2:00 AM--Autodelete snapshots after 30 days
- C. \* 1. Create a Cloud Function that creates a snapshot of your instance's disk.\* 2. Create a Cloud Function that deletes snapshots that are older than 30 day
- D. 3.Use Cloud Scheduler to trigger both Cloud Functions daily at 1:00 AM.
- E. \* 1. Create a bash script in the instance that copies the content of the disk to Cloud Storage.\* 2. Create a bash script in the instance that deletes data older than 30 days in the backup Cloud Storage bucket.\* 3. Configure the instance's crontab to execute these scripts daily at 1:00 AM.

**Answer:** B

#### NEW QUESTION 43

You manage three Google Cloud projects with the Cloud Monitoring API enabled. You want to follow Google-recommended practices to visualize CPU and network metrics for all three projects together. What should you do?

- A. \* 1. Create a Cloud Monitoring Dashboard\* 2. Collect metrics and publish them into the Pub/Sub topics 3. Add CPU and network Charts (or each of the three projects
- B. \* 1. Create a Cloud Monitoring Dashboard.\* 2. Select the CPU and Network metrics from the three projects.\* 3. Add CPU and network Charts to each of the three projects.
- C. \* 1 Create a Service Account and apply roles/viewer on the three projects\* 2. Collect metrics and publish them to the Cloud Monitoring API\* 3. Add CPU and network Charts for each of the three projects.
- D. \* 1. Create a fourth Google Cloud project\* 2 Create a Cloud Workspace from the fourth project and add the other three projects

**Answer:** B

#### NEW QUESTION 47

You need to deploy an application, which is packaged in a container image, in a new project. The application exposes an HTTP endpoint and receives very few requests per day. You want to minimize costs. What should you do?

- A. Deploy the container on Cloud Run.
- B. Deploy the container on Cloud Run on GKE.
- C. Deploy the container on App Engine Flexible.
- D. Deploy the container on Google Kubernetes Engine, with cluster autoscaling and horizontal pod autoscaling enabled.

**Answer:** A

#### NEW QUESTION 51

You are developing a new web application that will be deployed on Google Cloud Platform. As part of your release cycle, you want to test updates to your application on a small portion of real user traffic. The majority of the users should still be directed towards a stable version of your application. What should you do?

- A. Deploy the application on App Engine For each update, create a new version of the same service Configure traffic splitting to send a small percentage of traffic to the new version
- B. Deploy the application on App Engine For each update, create a new service Configure traffic splitting to send a small percentage of traffic to the new service.
- C. Deploy the application on Kubernetes Engine For a new release, update the deployment to use the new version
- D. Deploy the application on Kubernetes Engine For a new release, create a new deployment for the new version Update the service to use the new deployment.

**Answer:** A

#### NEW QUESTION 53

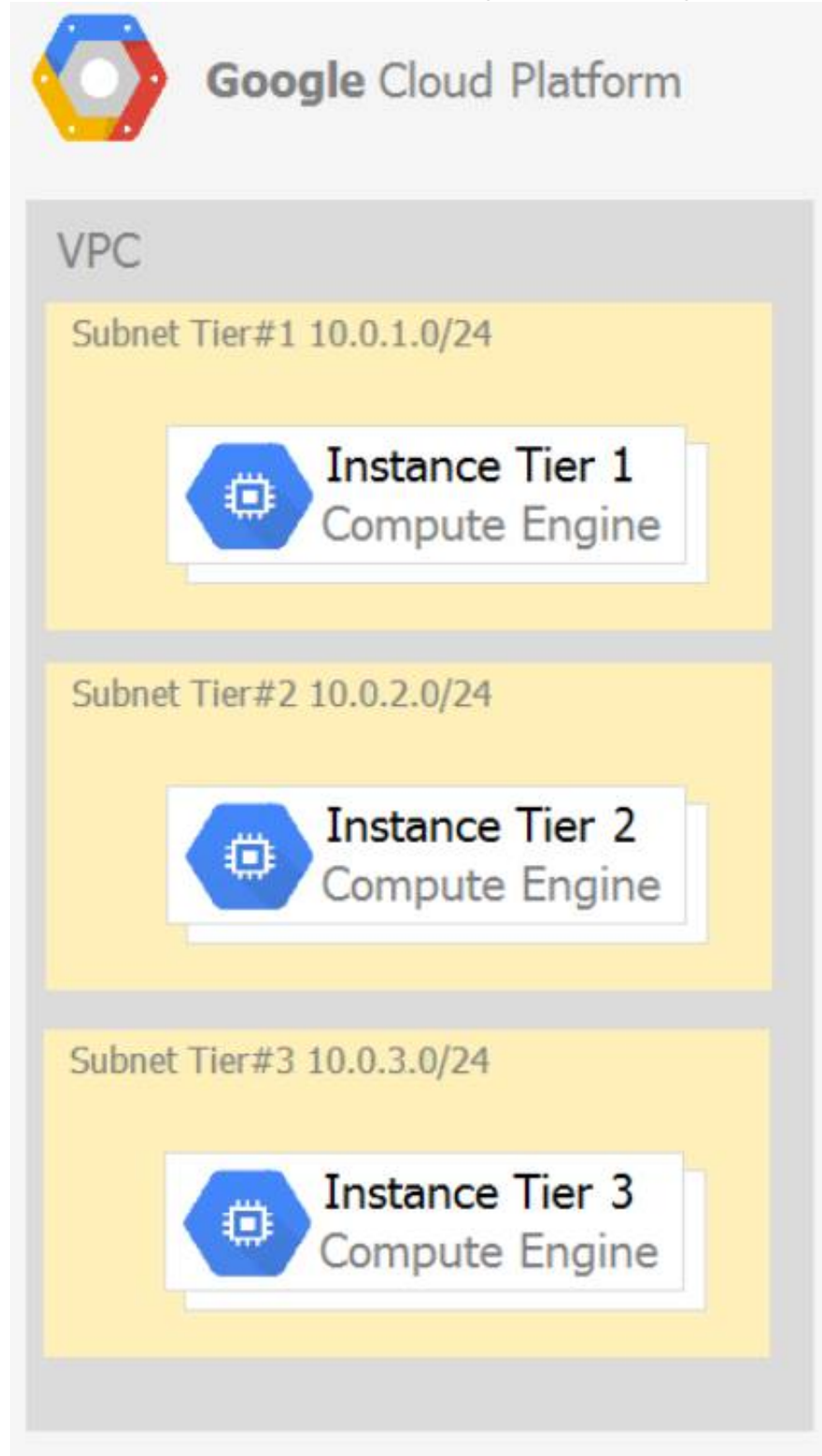
You received a JSON file that contained a private key of a Service Account in order to get access to several resources in a Google Cloud project. You downloaded and installed the Cloud SDK and want to use this private key for authentication and authorization when performing gcloud commands. What should you do?

- A. Use the command `gcloud auth login` and point it to the private key
- B. Use the command `gcloud auth activate-service-account` and point it to the private key
- C. Place the private key file in the installation directory of the Cloud SDK and rename it to "credentials ison"
- D. Place the private key file in your home directory and rename it to "GOOGLE\_APPUCATION\_CREDENTIALS".

**Answer:** A

#### NEW QUESTION 58

Your company has a 3-tier solution running on Compute Engine. The configuration of the current infrastructure is shown below.



Each tier has a service account that is associated with all instances within it. You need to enable communication on TCP port 8080 between tiers as follows:

- Instances in tier #1 must communicate with tier #2.
- Instances in tier #2 must communicate with tier #3. What should you do?

- A. 1. Create an ingress firewall rule with the following settings:• Targets: all instances• Source filter: IP ranges (with the range set to 10.0.2.0/24)• Protocols: allow all2. Create an ingress firewall rule with the following settings:• Targets: all instances• Source filter: IP ranges (with the range set to 10.0.1.0/24)•Protocols: allow all
- B. 1. Create an ingress firewall rule with the following settings:• Targets: all instances with tier #2 service account• Source filter: all instances with tier #1 service account• Protocols: allow TCP:80802. Create an ingress firewall rule with the following settings:• Targets: all instances with tier #3 service account• Source filter: all instances with tier #2 service account• Protocols: allow TCP: 8080
- C. 1. Create an ingress firewall rule with the following settings:• Targets: all instances with tier #2 service account• Source filter: all instances with tier #1 service account• Protocols: allow all2. Create an ingress firewall rule with the following settings:• Targets: all instances with tier #3 service account• Source filter: all instances with tier #2 service account• Protocols: allow all
- D. 1. Create an egress firewall rule with the following settings:• Targets: all instances• Source filter: IP ranges (with the range set to 10.0.2.0/24)• Protocols: allow TCP: 80802. Create an egress firewall rule with the following settings:• Targets: all instances• Source filter: IP ranges (with the range set to 10.0.1.0/24)• Protocols: allow TCP: 8080

**Answer:** B

#### NEW QUESTION 60

The core business of your company is to rent out construction equipment at a large scale. All the equipment that is being rented out has been equipped with multiple sensors that send event information every few seconds. These signals can vary from engine status, distance traveled, fuel level, and more. Customers are

billed based on the consumption monitored by these sensors. You expect high throughput – up to thousands of events per hour per device – and need to retrieve consistent data based on the time of the event. Storing and retrieving individual signals should be atomic. What should you do?

- A. Create a file in Cloud Storage per device and append new data to that file.
- B. Create a file in Cloud Filestore per device and append new data to that file.
- C. Ingest the data into Datastor
- D. Store data in an entity group based on the device.
- E. Ingest the data into Cloud Bigtabl
- F. Create a row key based on the event timestamp.

**Answer:** D

#### NEW QUESTION 62

Your organization is a financial company that needs to store audit log files for 3 years. Your organization has hundreds of Google Cloud projects. You need to implement a cost-effective approach for log file retention. What should you do?

- A. Create an export to the sink that saves logs from Cloud Audit to BigQuery.
- B. Create an export to the sink that saves logs from Cloud Audit to a Coldline Storage bucket.
- C. Write a custom script that uses logging API to copy the logs from Stackdriver logs to BigQuery.
- D. Export these logs to Cloud Pub/Sub and write a Cloud Dataflow pipeline to store logs to Cloud SQL.

**Answer:** A

#### NEW QUESTION 64

You have a Google Cloud Platform account with access to both production and development projects. You need to create an automated process to list all compute instances in development and production projects on a daily basis. What should you do?

- A. Create two configurations using gcloud confi
- B. Write a script that sets configurations as active, individuall
- C. For each configuration, use gcloud compute instances list to get a list of compute resources.
- D. Create two configurations using gsutil confi
- E. Write a script that sets configurations as active,individuall
- F. For each configuration, use gsutil compute instances list to get a list of compute resources.
- G. Go to Cloud Shell and export this information to Cloud Storage on a daily basis.
- H. Go to GCP Console and export this information to Cloud SQL on a daily basis.

**Answer:** A

#### NEW QUESTION 65

Your auditor wants to view your organization's use of data in Google Cloud. The auditor is most interested in auditing who accessed data in Cloud Storage buckets. You need to help the auditor access the data they need. What should you do?

- A. Assign the appropriate permissions, and then use Cloud Monitoring to review metrics
- B. Use the export logs API to provide the Admin Activity Audit Logs in the format they want
- C. Turn on Data Access Logs for the buckets they want to audit, and Then build a query in the log viewer that filters on Cloud Storage
- D. Assign the appropriate permissions, and then create a Data Studio report on Admin Activity Audit Logs

**Answer:** A

#### NEW QUESTION 68

You want to verify the IAM users and roles assigned within a GCP project named my-project. What should you do?

- A. Run gcloud iam roles lis
- B. Review the output section.
- C. Run gcloud iam service-accounts lis
- D. Review the output section.
- E. Navigate to the project and then to the IAM section in the GCP Consol
- F. Review the members and roles.
- G. Navigate to the project and then to the Roles section in the GCP Consol
- H. Review the roles and status.

**Answer:** D

#### NEW QUESTION 69

You want to configure 10 Compute Engine instances for availability when maintenance occurs. Your requirements state that these instances should attempt to automatically restart if they crash. Also, the instances should be highly available including during system maintenance. What should you do?

- A. Create an instance template for the instance
- B. Set the 'Automatic Restart' to o
- C. Set the 'On-host maintenance' to Migrate VM instanc
- D. Add the instance template to an instance group.
- E. Create an instance template for the instance
- F. Set 'Automatic Restart' to of
- G. Set 'On-host maintenance' to Terminate VM instance
- H. Add the instance template to an instance group.
- I. Create an instance group for the instance
- J. Set the 'Autohealing' health check to healthy (HTTP).
- K. Create an instance group for the instanc

L. Verify that the 'Advanced creation options' setting for 'do not retry machine creation' is set to off.

**Answer:** B

#### NEW QUESTION 72

Your organization needs to grant users access to query datasets in BigQuery but prevent them from accidentally deleting the datasets. You want a solution that follows Google-recommended practices. What should you do?

- A. Add users to roles/bigquery user role only, instead of roles/bigquery dataOwner.
- B. Add users to roles/bigquery dataEditor role only, instead of roles/bigquery dataOwner.
- C. Create a custom role by removing delete permissions, and add users to that role only.
- D. Create a custom role by removing delete permission
- E. Add users to the group, and then add the group to the custom role.

**Answer:** B

#### NEW QUESTION 74

Your existing application running in Google Kubernetes Engine (GKE) consists of multiple pods running on four GKE n1-standard-2 nodes. You need to deploy additional pods requiring n2-highmem-16 nodes without any downtime. What should you do?

- A. Use gcloud container clusters upgrad
- B. Deploy the new services.
- C. Create a new Node Pool and specify machine type n2-highmem-16. Deploy the new pods.
- D. Create a new cluster with n2-highmem-16 node
- E. Redeploy the pods and delete the old cluster.
- F. Create a new cluster with both n1-standard-2 and n2-highmem-16 node
- G. Redeploy the pods and delete the old cluster.

**Answer:** B

#### NEW QUESTION 77

You need to manage multiple Google Cloud Platform (GCP) projects in the fewest steps possible. You want to configure the Google Cloud SDK command line interface (CLI) so that you can easily manage multiple GCP projects. What should you?

- A. \* 1. Create a configuration for each project you need to manage.\* 2. Activate the appropriate configuration when you work with each of your assigned GCP projects.
- B. \* 1. Create a configuration for each project you need to manage.\* 2. Use gcloud init to update the configuration values when you need to work with a non-default project
- C. \* 1. Use the default configuration for one project you need to manage.\* 2. Activate the appropriate configuration when you work with each of your assigned GCP projects.
- D. \* 1. Use the default configuration for one project you need to manage.\* 2. Use gcloud init to update the configuration values when you need to work with a non-default project.

**Answer:** D

#### NEW QUESTION 79

Your VMs are running in a subnet that has a subnet mask of 255.255.255.240. The current subnet has no more free IP addresses and you require an additional 10 IP addresses for new VMs. The existing and new VMs should all be able to reach each other without additional routes. What should you do?

- A. Use gcloud to expand the IP range of the current subnet.
- B. Delete the subnet, and recreate it using a wider range of IP addresses.
- C. Create a new projec
- D. Use Shared VPC to share the current network with the new project.
- E. Create a new subnet with the same starting IP but a wider range to overwrite the current subnet.

**Answer:** C

#### NEW QUESTION 83

You have an application on a general-purpose Compute Engine instance that is experiencing excessive disk read throttling on its Zonal SSD Persistent Disk. The application primarily reads large files from disk. The disk size is currently 350 GB. You want to provide the maximum amount of throughput while minimizing costs. What should you do?

- A. Increase the size of the disk to 1 TB.
- B. Increase the allocated CPU to the instance.
- C. Migrate to use a Local SSD on the instance.
- D. Migrate to use a Regional SSD on the instance.

**Answer:** C

#### NEW QUESTION 87

You create a new Google Kubernetes Engine (GKE) cluster and want to make sure that it always runs a supported and stable version of Kubernetes. What should you do?

- A. Enable the Node Auto-Repair feature for your GKE cluster.
- B. Enable the Node Auto-Upgrades feature for your GKE cluster.
- C. Select the latest available cluster version for your GKE cluster.
- D. Select "Container-Optimized OS (cos)" as a node image for your GKE cluster.



**Answer: B**

**NEW QUESTION 92**

You need to set a budget alert for use of Compute Engine services on one of the three Google Cloud Platform projects that you manage. All three projects are linked to a single billing account. What should you do?

- A. Verify that you are the project billing administrator
- B. Select the associated billing account and create a budget and alert for the appropriate project.
- C. Verify that you are the project billing administrator
- D. Select the associated billing account and create a budget and a custom alert.
- E. Verify that you are the project administrator
- F. Select the associated billing account and create a budget for the appropriate project.
- G. Verify that you are project administrator
- H. Select the associated billing account and create a budget and a custom alert.

**Answer: B**

**NEW QUESTION 97**

You are managing a Data Warehouse on BigQuery. An external auditor will review your company's processes, and multiple external consultants will need view access to the data. You need to provide them with view access while following Google-recommended practices. What should you do?

- A. Grant each individual external consultant the role of BigQuery Editor
- B. Grant each individual external consultant the role of BigQuery Viewer
- C. Create a Google Group that contains the consultants and grant the group the role of BigQuery Editor
- D. Create a Google Group that contains the consultants, and grant the group the role of BigQuery Viewer

**Answer: D**

**NEW QUESTION 98**

You are creating an application that will run on Google Kubernetes Engine. You have identified MongoDB as the most suitable database system for your application and want to deploy a managed MongoDB environment that provides a support SLA. What should you do?

- A. Create a Cloud Bigtable cluster and use the HBase API
- B. Deploy MongoDB Alias from the Google Cloud Marketplace
- C. Download a MongoDB installation package and run it on Compute Engine instances
- D. Download a MongoDB installation package, and run it on a Managed Instance Group

**Answer: D**

**NEW QUESTION 99**

You are the team lead of a group of 10 developers. You provided each developer with an individual Google Cloud Project that they can use as their personal sandbox to experiment with different Google Cloud solutions. You want to be notified if any of the developers are spending above \$500 per month on their sandbox environment. What should you do?

- A. Create a single budget for all projects and configure budget alerts on this budget.
- B. Create a separate billing account per sandbox project and enable BigQuery billing export
- C. Create a Data Studio dashboard to plot the spending per billing account.
- D. Create a budget per project and configure budget alerts on all of these budgets.
- E. Create a single billing account for all sandbox projects and enable BigQuery billing export
- F. Create a Data Studio dashboard to plot the spending per project.

**Answer: C**

**NEW QUESTION 104**

You have a web application deployed as a managed instance group. You have a new version of the application to gradually deploy. Your web application is currently receiving live web traffic. You want to ensure that the available capacity does not decrease during the deployment. What should you do?

- A. Perform a rolling-action start-update with maxSurge set to 0 and maxUnavailable set to 1.
- B. Perform a rolling-action start-update with maxSurge set to 1 and maxUnavailable set to 0.
- C. Create a new managed instance group with an updated instance template
- D. Add the group to the backend service for the load balance
- E. When all instances in the new managed instance group are healthy, delete the old managed instance group.
- F. Create a new instance template with the new application version
- G. Update the existing managed instance group with the new instance template
- H. Delete the instances in the managed instance group to allow the managed instance group to recreate the instance using the new instance template.

**Answer: B**

**NEW QUESTION 108**

&. You are working for a hospital that stores its medical images in an on-premises data room. The hospital wants to use Cloud Storage for archival storage of these images. The hospital wants an automated process to upload any new medical images to Cloud Storage. You need to design and implement a solution. What should you do?

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

E. Create an application that sends all medical images to the Pub/Sub topic

**Answer:** A

#### NEW QUESTION 112

You are hosting an application on bare-metal servers in your own data center. The application needs access to Cloud Storage. However, security policies prevent the servers hosting the application from having public IP addresses or access to the internet. You want to follow Google-recommended practices to provide the application with access to Cloud Storage. What should you do?

- A. 1. Use nslookup to get the IP address for storage.googleapis.com.2. Negotiate with the security team to be able to give a public IP address to the servers.3. Only allow egress traffic from those servers to the IP addresses for storage.googleapis.com.
- B. 1. Using Cloud VPN, create a VPN tunnel to a Virtual Private Cloud (VPC) in Google Cloud Platform (GCP).2. In this VPC, create a Compute Engine instance and install the Squid proxy server on this instance.3. Configure your servers to use that instance as a proxy to access Cloud Storage.
- C. 1. Use Migrate for Compute Engine (formerly known as Velostrata) to migrate those servers to Compute Engine.2. Create an internal load balancer (ILB) that uses storage.googleapis.com as backend.3. Configure your new instances to use this ILB as proxy.
- D. 1. Using Cloud VPN or Interconnect, create a tunnel to a VPC in GCP.2. Use Cloud Router to create a custom route advertisement for 199.36.153.4/30. Announce that network to your on-premises network through the VPN tunnel.3. In your on-premises network, configure your DNS server to resolve \*.googleapis.com as a CNAME to restricted.googleapis.com.

**Answer:** D

#### NEW QUESTION 115

You created an instance of SQL Server 2017 on Compute Engine to test features in the new version. You want to connect to this instance using the fewest number of steps. What should you do?

- A. Install a RDP client on your desktop
- B. Verify that a firewall rule for port 3389 exists.
- C. Install a RDP client in your desktop
- D. Set a Windows username and password in the GCP Console
- E. Use the credentials to log in to the instance.
- F. Set a Windows password in the GCP Console
- G. Verify that a firewall rule for port 22 exists
- H. Click the RDP button in the GCP Console and supply the credentials to log in.
- I. Set a Windows username and password in the GCP Console
- J. Verify that a firewall rule for port 3389 exists
- K. Click the RDP button in the GCP Console, and supply the credentials to log in.

**Answer:** B

#### NEW QUESTION 118

You want to add a new auditor to a Google Cloud Platform project. The auditor should be allowed to read, but not modify, all project items. How should you configure the auditor's permissions?

- A. Create a custom role with view-only project permission
- B. Add the user's account to the custom role.
- C. Create a custom role with view-only service permission
- D. Add the user's account to the custom role.
- E. Select the built-in IAM project Viewer role
- F. Add the user's account to this role.
- G. Select the built-in IAM service Viewer role
- H. Add the user's account to this role.

**Answer:** C

#### NEW QUESTION 121

A team of data scientists infrequently needs to use a Google Kubernetes Engine (GKE) cluster that you manage. They require GPUs for some long-running, non-restartable jobs. You want to minimize cost. What should you do?

- A. Enable node auto-provisioning on the GKE cluster.
- B. Create a VerticalPodAutoscaler for those workloads.
- C. Create a node pool with preemptible VMs and GPUs attached to those VMs.
- D. Create a node pool of instances with GPUs, and enable autoscaling on this node pool with a minimum size of 1.

**Answer:** C

#### NEW QUESTION 122

You are operating a Google Kubernetes Engine (GKE) cluster for your company where different teams can run non-production workloads. Your Machine Learning (ML) team needs access to Nvidia Tesla P100 GPUs to train their models. You want to minimize effort and cost. What should you do?

- A. Ask your ML team to add the "accelerator: gpu" annotation to their pod specification.
- B. Recreate all the nodes of the GKE cluster to enable GPUs on all of them.
- C. Create your own Kubernetes cluster on top of Compute Engine with nodes that have GPU
- D. Dedicate this cluster to your ML team.
- E. Add a new, GPU-enabled, node pool to the GKE cluster
- F. Ask your ML team to add the cloud.google.com/gke -accelerator: nvidia-tesla-p100 nodeSelector to their pod specification.

**Answer:** B

**NEW QUESTION 123**

You are managing several Google Cloud Platform (GCP) projects and need access to all logs for the past 60 days. You want to be able to explore and quickly analyze the log contents. You want to follow Google- recommended practices to obtain the combined logs for all projects. What should you do?

- A. Navigate to Stackdriver Logging and select resource.labels.project\_id="\*\*"
- B. Create a Stackdriver Logging Export with a Sink destination to a BigQuery dataset
- C. Configure the table expiration to 60 days.
- D. Create a Stackdriver Logging Export with a Sink destination to Cloud Storage
- E. Create a lifecycle rule to delete objects after 60 days.
- F. Configure a Cloud Scheduler job to read from Stackdriver and store the logs in BigQuery
- G. Configure the table expiration to 60 days.

**Answer:** B

**NEW QUESTION 124**

You are building an application that will run in your data center. The application will use Google Cloud Platform (GCP) services like AutoML. You created a service account that has appropriate access to AutoML. You need to enable authentication to the APIs from your on-premises environment. What should you do?

- A. Use service account credentials in your on-premises application.
- B. Use gcloud to create a key file for the service account that has appropriate permissions.
- C. Set up direct interconnect between your data center and Google Cloud Platform to enable authentication for your on-premises applications.
- D. Go to the IAM & admin console, grant a user account permissions similar to the service account permissions, and use this user account for authentication from your data center.

**Answer:** B

**NEW QUESTION 129**

You need to create a custom VPC with a single subnet. The subnet's range must be as large as possible. Which range should you use?

- A. .00.0.0/0
- B. 10.0.0.0/8
- C. 172.16.0.0/12
- D. 192.168.0.0/16

**Answer:** B

**Explanation:**

[https://cloud.google.com/vpc/docs/vpc#manually\\_created\\_subnet\\_ip\\_ranges](https://cloud.google.com/vpc/docs/vpc#manually_created_subnet_ip_ranges)

**NEW QUESTION 134**

Several employees at your company have been creating projects with Cloud Platform and paying for it with their personal credit cards, which the company reimburses. The company wants to centralize all these projects under a single, new billing account. What should you do?

- A. Contact cloud-billing@google.com with your bank account details and request a corporate billing account for your company.
- B. Create a ticket with Google Support and wait for their call to share your credit card details over the phone.
- C. In the Google Platform Console, go to the Resource Manager and move all projects to the root Organization.
- D. In the Google Cloud Platform Console, create a new billing account and set up a payment method.

**Answer:** D

**NEW QUESTION 136**

A colleague handed over a Google Cloud Platform project for you to maintain. As part of a security checkup, you want to review who has been granted the Project Owner role. What should you do?

- A. In the console, validate which SSH keys have been stored as project-wide keys.
- B. Navigate to Identity-Aware Proxy and check the permissions for these resources.
- C. Enable Audit Logs on the IAM & admin page for all resources, and validate the results.
- D. Use the command `gcloud projects get-iam-policy` to view the current role assignments.

**Answer:** B

**NEW QUESTION 139**

You deployed a new application inside your Google Kubernetes Engine cluster using the YAML file specified below.

```
apiVersion: apps/v1
kind: Deployment
metadata:
  name: myapp-deployment
spec:
  selector:
    matchLabels:
      app: myapp
  replicas: 2
  template:
    metadata:
      labels:
        app: myapp
    spec:
      containers:
        - name: myapp
          image: myapp:1.1
          ports:
            - containerPort: 80

apiVersion: v1
kind: Service
metadata:
  name: myapp-service
spec:
  ports:
    - port: 8000
      targetPort: 80
      protocol: TCP
  selector:
    app: myapp
```

You check the status of the deployed pods and notice that one of them is still in PENDING status:

```
kubectl get pods -l app=myapp
```

NAME	READY	STATUS	RESTART	AGE
myapp-deployment-58ddb995-lp86m	0/1	Pending	0	9m
myapp-deployment-58ddb995-qjpkg	1/1	Running	0	9m

You want to find out why the pod is stuck in pending status. What should you do?

- A. Review details of the myapp-service Service object and check for error messages.
- B. Review details of the myapp-deployment Deployment object and check for error messages.
- C. Review details of myapp-deployment-58ddb995-lp86m Pod and check for warning messages.
- D. View logs of the container in myapp-deployment-58ddb995-lp86m pod and check for warning messages.

**Answer: C**

#### NEW QUESTION 144

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 application 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 dataset. What should you do?

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

#### NEW QUESTION 146

Your company set up a complex organizational structure on Google Cloud Platform. The structure includes hundreds of folders and projects. Only a few team members should be able to view the hierarchical structure. You need to assign minimum permissions to these team members and you want to follow Google-recommended practices. What should you do?

- A. Add the users to roles/browser role.
- B. Add the users to roles/iam.roleViewer role.
- C. Add the users to a group, and add this group to roles/browser role.
- D. Add the users to a group, and add this group to roles/iam.roleViewer role.

**Answer: C**

#### NEW QUESTION 150

Your company has a large quantity of unstructured data in different file formats. You want to perform ETL transformations on the data. You need to make the data accessible on Google Cloud so it can be processed by a Dataflow job. What should you do?

- A. Upload the data to BigQuery using the bq command line tool.
- B. Upload the data to Cloud Storage using the gsutil command line tool.
- C. Upload the data into Cloud SQL using the import function in the console.
- D. Upload the data into Cloud Spanner using the import function in the console.

**Answer: A**



**NEW QUESTION 152**

You need to monitor resources that are distributed over different projects in Google Cloud Platform. You want to consolidate reporting under the same Stackdriver Monitoring dashboard. What should you do?

- A. Use Shared VPC to connect all projects, and link Stackdriver to one of the projects.
- B. For each project, create a Stackdriver account
- C. In each project, create a service account for that project and grant it the role of Stackdriver Account Editor in all other projects.
- D. Configure a single Stackdriver account, and link all projects to the same account.
- E. Configure a single Stackdriver account for one of the project
- F. In Stackdriver, create a Group and add the other project names as criteria for that Group.

**Answer: D**

**NEW QUESTION 157**

You need to enable traffic between multiple groups of Compute Engine instances that are currently running two different GCP projects. Each group of Compute Engine instances is running in its own VPC. What should you do?

- A. Verify that both projects are in a GCP Organizatio
- B. Create a new VPC and add all instances.
- C. Verify that both projects are in a GCP Organizatio
- D. Share the VPC from one project and request that the Compute Engine instances in the other project use this shared VPC.
- E. Verify that you are the Project Administrator of both project
- F. Create two new VPCs and add all instances.
- G. Verify that you are the Project Administrator of both project
- H. Create a new VPC and add all instances.

**Answer: B**

**NEW QUESTION 162**

Your Dataproc cluster runs in a single Virtual Private Cloud (VPC) network in a single subnet with range 172.16.20.128/25. There are no private IP addresses available in the VPC network. You want to add new VMs to communicate with your cluster using the minimum number of steps. What should you do?

- A. Modify the existing subnet range to 172.16.20.0/24.
- B. Create a new Secondary IP Range in the VPC and configure the VMs to use that range.
- C. Create a new VPC network for the VM
- D. Enable VPC Peering between the VMs' VPC network and the Dataproc cluster VPC network.
- E. Create a new VPC network for the VMs with a subnet of 172.32.0.0/16. Enable VPC network Peering between the Dataproc VPC network and the VMs VPC network
- F. Configure a custom Route exchange.

**Answer: B**

**Explanation:**

A subnet has a single primary IP address range and, optionally, one or more secondary IP address ranges. For each subnet IP address range, Google Cloud creates a subnet route. When you use VPC Network Peering, Google Cloud always exchanges the subnet routes that don't use privately reused public IP addresses between the two peered networks. If firewall rules in each network permit communication, VM instances in one network can communicate with instances in the peered network.

**NEW QUESTION 167**

You are creating a Google Kubernetes Engine (GKE) cluster with a cluster autoscaler feature enabled. You need to make sure that each node of the cluster will run a monitoring pod that sends container metrics to a third-party monitoring solution. What should you do?

- A. Deploy the monitoring pod in a StatefulSet object.
- B. Deploy the monitoring pod in a DaemonSet object.
- C. Reference the monitoring pod in a Deployment object.
- D. Reference the monitoring pod in a cluster initializer at the GKE cluster creation time.

**Answer: B**

**NEW QUESTION 169**

Your company has a single sign-on (SSO) identity provider that supports Security Assertion Markup Language (SAML) integration with service providers. Your company has users in Cloud Identity. You would like users to authenticate using your company's SSO provider. What should you do?

- A. In Cloud Identity, set up SSO with Google as an identity provider to access custom SAML apps.
- B. In Cloud Identity, set up SSO with a third-party identity provider with Google as a service provider.
- C. Obtain OAuth 2.0 credentials, configure the user consent screen, and set up OAuth 2.0 for Mobile & Desktop Apps.
- D. Obtain OAuth 2.0 credentials, configure the user consent screen, and set up OAuth 2.0 for Web Server Applications.

**Answer: C**

**NEW QUESTION 171**

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