Report Card

Expectations

Score

1. Plan and configure a cloud solution

80 %

2. Deploy and implement a cloud solution

90 %

3. Ensure successful operation of a cloud solution

70 %

4. Configure access and security

70 %

5. Setting up a cloud solution environment

70 %

Exam Breakdown

Plan and configure a cloud solution

1.

You've created a bucket to store some data archives for compliance. The data isn't likely to need to be viewed. However, you need to store it for at least 7 years. What is the best default storage class?

* A. Multi-regional
* B. Coldline

**done Correct**

* C. Regional
* D. Nearline

thumb\_up

thumb\_down

2.

Your developers are trying to select the best compute service to run a static website. They have a dozen HTML pages, a few Javascript files, and some CSS. They need the site to be highly available for the few weeks it is running. They also have a limited budget.

What is the best service to use to run the site?

* A. Kubernetes Engine
* B. Compute Engine
* C. Cloud Storage

**done Correct**

* D. App Engine

thumb\_up

thumb\_down

3.

You're attempting to deploy a new instance that uses the centos 7 family. You can't recall the exact name of the family. Which command could you use to determine the family names?

* A. gcloud compute instances list
* B. gcloud compute images show-families
* C. gcloud compute instances show-families
* D. gcloud compute images list

**done Correct**

thumb\_up

thumb\_down

4.

Your security team has asked you to present them some numbers based on the logs that are exported to BigQuery. Due to the team structure, your manager has asked you to determine how much the query will cost.

What's the best way to determine the cost?

* A. It's not possible to estimate the cost of a query.
* B. Create the query and execute the query in "cost estimation mode"
* C. Create the query and use the dry-run option to determine the amount of data read, then use the price calculator to determine the cost.

**done Correct**

* D. Use the BigQuery index viewer to determine how many records you'll be reading.

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thumb\_down

5.

You have an App Engine application serving as your front-end. It's going to publish messages to Pub/Sub. The Pub/Sub API hasn't been enabled yet. What is the fastest way to enable the API?

* A. Use a service account to auto-enable the API.
* B. Enable the API in the Console.

**done Correct**

* C. Application's in App Engine don't require external APIs to be enabled.
* D. The API will be enabled the first time the code attempts to access Pub/Sub.

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thumb\_down

6.

You have a simple web application that you're trying to deploy in a secure and inexpensive way. The application is running inside a Docker container on port 8080. Once the application is initially deployed, the developers are going to take ownership of future deployments.

What is the best option for running the application?

* A. Use an App Engine Standard Environment.
* B. Use an App Engine Flexible Environment.

**done Correct**

forum

**Why is this correct?**

Flexible environments are able to use a Dockerfile to create custom runtimes. They specifically run on port 8080.<https://cloud.google.com/appengine/docs/flexible/custom-runtimes/build>

* C. Use an on-premises Kubernetes cluster.

**close Your Answer**

forum

**Why is this incorrect?**

This probably doesn't meet the criteria of inexpensive, considering the amount of ops effort required to run a cluster. Also, most companies don't have the security expertise, especially around Kubernetes.<https://cloud.google.com/appengine/docs/flexible/custom-runtimes/build>

* D. Use Kubernetes Engine.

thumb\_up

thumb\_down

7.

What's the easiest way to ensure that the nodes in your Kubernetes cluster are always up-to-date with the latest stable version of Kubernetes?

* A. Opt into the Kubernetes Node Update program from the quotas page.
* B. Run the kubectl nodes update command.
* C. Run the kubectl nodes upgrade command.
* D. Enable the automatic node upgrades setting.

**done Correct**

thumb\_up

thumb\_down

8.

Your manager needs you to test out the latest version of MS-SQL on a Windows instance. You've created the VM and need to connect into the instance. What steps should you follow to connect to the instance?

* A. Generate a Windows password in the console, then use a client capable of communicating via RDP and provide the credentials.

**done Correct**

* B. Generate a Windows password in the console, then use the RDP button to connect in through the console.
* C. Connect in with your own RDP client using your Google Cloud username and password.
* D. From the console click the SSH button to automatically connect.

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9.

You have an autoscaled managed instance group that is set to scale based on CPU utilization of 60%. There are currently 3 instances in the instance group. You're connected to one of the instances and notice that the CPU usage is a 70%. However, the instance group isn't starting up another instance. What's the most likely reason?

* A. The autoscaler is disabled.
* B. The autoscaler takes 60 seconds before creating a new instance.
* C. The load balancer doesn't recognize the instance as healthy.
* D. The average CPU for the entire instance group is below 60%.

**done Correct**

thumb\_up

thumb\_down

10.

Your coworker created a deployment for your application container. You can see the deployment under Workloads in the console. They're out for the rest of the week, and your boss needs you to complete the setup by exposing the workload.

What's the easiest way to do that?

* A. Create a new Service that points to the existing deployment.

**done Correct**

forum

**Why is this correct?**

A service is how we expose deployments. It's a persistent endpoint that we can interact with, and it will send the traffic over to the pods in the deployment.

<https://linuxacademy.com/cp/courses/lesson/course/2542/lesson/4/module/238><https://kubernetes.io/docs/concepts/services-networking/service/>

* B. Create a new DaemonSet.
* C. Create a Global Load Balancer that points to the pod in the deployment.

**close Your Answer**

forum

**Why is this incorrect?**

Pods should be considered temporary. They can start, and stop and it's up to the deployment to keep them running. Any IP addresses for pods are subject to change. Using a service creates an entry point for interacting with deployments.

<https://linuxacademy.com/cp/courses/lesson/course/2542/lesson/4/module/238><https://kubernetes.io/docs/concepts/services-networking/service/>

* D. Create a Static IP Address Resource for the Deployment.

thumb\_up

thumb\_down

Deploy and implement a cloud solution

1.

You're about to deploy your team's App Engine application. They're using the Go runtime with a Standard Environment. Which command should you use to deploy the application?

* A. gcloud app deploy app.yaml

**done Correct**

* B. gcloud app-engine apply app.yaml
* C. gcloud app apply app.yaml
* D. gcloud app-engine deploy app.yaml

thumb\_up

thumb\_down

2.

You have a Linux server running on a custom network. There's an allow firewall rule with an IP filter of 0.0.0.0/0 with a protocol/port of tcp:22. The logs on the instance show a constant stream of attempts from different IP addresses, trying to connect via SSH. You suspect this is a brute force attack.

How might you change the firewall rule to stop this from happening and still enable access for legit users?

* A. Stop the instance.
* B. Deny all traffic to port 22.
* C. Change the port that SSH is running on in the instance and change the port number in the firewall rule.
* D. Change the IP address range in the filter to only allow known IP addresses

**done Correct**

thumb\_up

thumb\_down

3.

You've uploaded some static web assets to a public storage bucket for the developers. However, they're not able to see them in the browser due to what they called "CORS errors". What's the easiest way to resolve the errors for the developers?

* A. Advise the developers to adjust the CORS configuration inside their code.
* B. Use the gsutil cors set command to set the CORS configuration on the bucket.

**done Correct**

* C. Use the gsutil set cors command to set the CORS configuration on the bucket.
* D. Use the gsutil set cors command to set the CORS configuration on the object.

thumb\_up

thumb\_down

4.

Your team has been working on building a web application. The plan is to deploy to Kubernetes. You currently have a Dockerfile that works locally. How can you get the application deployed to Kubernetes?

* A. Use kubectl to push the convert the Dockerfile into a deployment.
* B. Use docker to create a container image, save the image to Cloud Storage, deploy the uploaded image to Kubernetes with kubectl.
* C. Use kubectl apply to push the Dockerfile to Kubernetes.
* D. Use docker to create a container image, push it to the Google Container Registry, deploy the uploaded image to Kubernetes with kubectl.

**done Correct**

thumb\_up

thumb\_down

5.

You have a Cloud Storage bucket that needs to host static web assets. How do you make the bucket public?

* A. Trick question. Don't ever make a bucket public.
* B. Check the "make public" box in the UI.
* C. Set allUsers to have the Storage Object Viewer role.

**done Correct**

* D. gsutil make-public gs://bucket-name

thumb\_up

thumb\_down

6.

You're working on creating a script that can extract the IP address of a Kubernetes Service. Your coworker sent you a code snippet that they had saved. Which one is the best starting point for your code?

* A. kubectl get svc -o filtered-json='{.items[\*].status.loadBalancer.ingress[0].ip}'

**close Your Answer**

forum

**Why is this incorrect?**

filtered-json isn't a real filter. <https://linuxacademy.com/cp/courses/lesson/course/2842/lesson/8/module/238>

* B. kubectl get svc -o jsonpath='{.items[\*].status.loadBalancer.ingress[0].ip}'

**done Correct**

forum

**Why is this correct?**

This uses the JSON path output to zero in on the property you need.<https://linuxacademy.com/cp/courses/lesson/course/2842/lesson/8/module/238>

* C. kubectl get svc -o html
* D. kubectl get svc

thumb\_up

thumb\_down

7.

You're using Deployment Manager to deploy your application to an autoscaled, managed instance group on Compute Engine. The application is a single binary, What is the fastest way to get the binary onto the instance, without introducing undue complexity?

* A. When creating the instance template use the startup script metadata key to bootstrap the application.

**done Correct**

* B. Use a "golden image" that contains everything you need.
* C. When creating the instance template, use the startup script metadata key to install Ansible. Have the instance run the play-book at startup to install the application.
* D. Once the instance starts up, connect over SSH and install the application.

thumb\_up

thumb\_down

8.

Your engineers need to pass database credentials to a Kubernetes Pod. The YAML they're using looks similar to the following:

apiVersion: "extensions/v1beta1"

kind: "Deployment"

metadata:

name: "products-service"

namespace: "default"

labels:

app: "products-service"

spec:

replicas: 3

selector:

matchLabels:

app: "products-service"

template:

metadata:

labels:

app: "products-service"

spec:

containers:

- name: "products"

image: "gcr.io/find-seller-app-dev/products:latest"

env:

- name: "database\_user"

value: "admin"

- name: "database\_password"

value: "TheB3stP@ssW0rd"

What is Google's recommended best practice for working with sensitive information inside of Kubernetes?

9.

Your team has been working towards using desired state configuration for your entire infrastructure, which is why they're excited to store the Kubernetes Deployments in YAML. You created a Kubernetes Deployment with the kubectl apply command and passed on a YAML file. You need to edit the number of replicas. What steps should you take to update the Deployment?

* A. Edit the number of replicas in the YAML file and rerun the kubectl apply.

**done Correct**

* B. Edit the YAML and push it to Github so that the git triggers deploy the change.
* C. Disregard the YAML file. Use the kubectl scale command.
* D. Edit the number of replicas in the YAML file and run the kubectl set image command.

thumb\_up

thumb\_down

10.

You’ve found that your Linux server keeps running low on memory. It’s currently using 8 Gigs of memory, and you want to increase it to 16. What is the simplest way to do that?

* A. Use the gcloud compute add-memory command to increase the memory.
* B. Use the Linux memincr command to increase the memory.
* C. Stop the instance and change the machine type.

**done Correct**

* D. Create a new instance with the correct amount of memory.

thumb\_up

thumb\_down

Ensure successful operation of a cloud solution

1.

You've created a new firewall rule to allow incoming traffic on port 22, using a target tag of "dev-ssh". You tried to connect to one of your instances, and you're still unable to connect. What steps do you need to take to resolve the problem?

* A. Run the gcloud firewall-rules refresh command.
* B. Use source tags in place of the target tags.
* C. Reboot the instances for the firewall rule to take effect.
* D. Apply a network tag of "dev-ssh" to the instance you're trying to connect into and test again.

**done Correct**

thumb\_up

thumb\_down

2.

Your data team is working on some new machine learning models. They're generating several files per day that they want to store in a regional bucket. They mostly focus on the files from the last week. However, they want to keep all the files just to base safe. With the fewest steps possible, what's the best way to lower the storage costs?

* A. Create a Cloud Function triggered when objects are added to a bucket. Look at the date on all the files and move it to nearline storage if it's older than a week.
* B. Create a Cloud Function triggered when objects are added to a bucket. Look at the date on all the files and move it to coldline storage if it's older than a week.
* C. Create a lifecycle policy to switch the objects older than a week to coldline storage.

**close Your Answer**

forum

**Why is this incorrect?**

Since they "mostly" focus on newer files, that means they sometimes need to access the old files. Coldline isn't the best option in this case. <https://linuxacademy.com/cp/courses/lesson/course/2922/lesson/8/module/238>

* D. Create a lifecycle policy to switch the objects older than a week to nearline storage.

**done Correct**

forum

**Why is this correct?**

This would work well, it would save them money on storage, and still be accessible if they need to access the files.<https://linuxacademy.com/cp/courses/lesson/course/2922/lesson/8/module/238>

thumb\_up

thumb\_down

3.

You've created a Pod using the kubectl run command. Now you're attempting to remove the Pod, and it keeps being recreated. Which command might help you as you attempt to remove the pod?

* A. gcloud container describe pods
* B. kubectl get pods

**close Your Answer**

forum

**Why is this incorrect?**

The pod was created under a deployment. Knowing the name of the pod isn't going to help delete the deployment.<https://linuxacademy.com/cp/courses/lesson/course/2922/lesson/6/module/238>

* C. kubectl get secrets
* D. kubectl get deployments

**done Correct**

forum

**Why is this correct?**

This would help to see the name of the deployment that the pod is running under so that you can delete the deployment. <https://linuxacademy.com/cp/courses/lesson/course/2922/lesson/6/module/238>

thumb\_up

thumb\_down

4.

You've been running App Engine applications in a Standard Environment for a few weeks. With several successful deployments, you've just deployed a broken version, and the developers have gone home for the day. What is the fastest way to get the site back into a functioning state?

* A. Have the developers fix the issue and deploy.
* B. Use the gcloud app rollback command.
* C. In the UI, click Traffic Splitting and direct 100% of the traffic to the previous version.

**done Correct**

* D. In the UI, click the Rollback button on the versions page.

thumb\_up

thumb\_down

5.

30 minutes ago you created a log sink that exports all of your project audit logs to Cloud Storage. You can see in the log viewer that there are new records. However, you're not seeing them in your Storage Bucket.

What is the most likely cause?

* A. Cloud Storage isn't a supported destination.
* B. Each log sink destination has its own time window for saving the data.

**done Correct**

* C. The Cloud Storage Bucket doesn't have the correct permissions.
* D. You forgot to enable the sink inside the Cloud Storage UI.

thumb\_up

thumb\_down

6.

Your developers have been thoroughly logging everything that happens in the API. The API allows end users to request the data as JSON, XML, CSV, and XLS. Supporting all of these formats is taking a lot of developer effort. Management would like to start tracking which options are used over the next month. Without modifying the code, what's the fastest way to be able to report on this data at the end of the month?

* A. Create a custom counter logging metric that uses a regex to extract the data format into a label. At the end of the month, use the metric viewer to see the group by the label.

**done Correct**

forum

**Why is this correct?**

This is a simple solution that only requires the metric to be created, and then Stackdriver will track each occurrence.<https://linuxacademy.com/cp/courses/lesson/course/2922/lesson/10/module/238>

* B. Create a log sink that filters for rows that mention the data format. Export that to BigQuery, and run a query at the end of the month.

**close Your Answer**

forum

**Why is this incorrect?**

This could work, however, out of all the answers; it doesn't meet the requirement for fastest.<https://linuxacademy.com/cp/courses/lesson/course/2922/lesson/10/module/238>

* C. Create a custom monitoring metric in code and edit the API code to set the metric each time the API is called.
* D. Export the logs to excel, and search for the different fields.

thumb\_up

thumb\_down

7.

You've been tasked with getting all of your team's public SSH keys onto all of the instances of a particular project. You've collected them all. With the fewest steps possible, what is the simplest way to get the keys deployed?

* A. Add all of the keys into a file that's formatted according to the requirements. Use the gcloud compute instances add-metadata command to upload the keys to each instance
* B. Add all of the keys into a file that's formatted according to the requirements. Use the gcloud compute project-info add-metadata command to upload the keys.

**done Correct**

* C. Use the gcloud compute ssh command to upload all the keys
* D. Format all of the keys as needed and then, using the user interface, upload each key one at a time.

thumb\_up

thumb\_down

8.

You've been running your App Engine app for a few weeks with Autoscaling, and it's been working well. However, your marketing team is planning on a massive campaign, and they expect a lot of burst traffic. How would you go about ensuring there are always 4 idle instances?

* A. Set the min\_instances property in the app.yaml,
* B. Switch to manual scaling and use the burst\_traffic\_protection property to True in the app.yaml.
* C. Set the min\_idle\_instances property in the app.yaml.

**done Correct**

* D. Switch to manual scaling and use the idle\_instance\_count property in the app.yaml.

thumb\_up

thumb\_down

9.

You're trying to provide temporary access to some files in a Cloud Storage bucket. You want to limit the time that the files are available to 10 minutes. With the fewest steps possible, what is the best way to generate a signed URL?

* A. In the UI select the objects and click the Generate Signed URL button.
* B. Create a service account and JSON key. Use the gsutil signurl -t 10m command and pass in the JSON key and bucket.
* C. In the UI select the objects and click the "Sign With Key" button.
* D. Create a service account and JSON key. Use the gsutil signurl -d 10m command and pass in the JSON key and bucket.

**done Correct**

thumb\_up

thumb\_down

10.

You've seen some errors in the logs for a specific Deployment. You've narrowed the issue down to the Pod named "ad-generator" that is throwing the errors. Your engineers aren't able to reproduce the error in any other environment. They've told you that if they could just "connect into the container" for 5 minutes, they could figure out the root cause. What steps would allow them to run commands against the container?

* A. Use the kubectl exec -it ad-generator -- /bin/bash command to run a shell on that container.

**done Correct**

* B. Use the kubectl exec -it -- /bin/bash command to run a shell on that container.
* C. Use the kubectl run command to run a shell on that container.
* D. Use the kubectl run ad-generator /bin/bash command to run a shell on that container.

thumb\_up

thumb\_down

Configure access and security

1.

You've set up an instance inside your new network and subnet. Your firewall rules are set to target all instances in your network. You have the following firewall rules.

NAME:deny-all | NETWORK:devnet | DIRECTION:INGRESS | PRIORITY:1000 | DENY:tcp:0-65535,udp:0-6553 NAME:open-ssh | NETWORK:devnet | DIRECTION:INGRESS | PRIORITY:5000 | ALLOW:tcp:22

However, when you attempt to connect to your instance via SSH, your connection is timing out.

What is the most likely cause?

* A. Your instance needs to be rebooted.
* B. The SSH key hasn't been uploaded to the instance.
* C. The firewall rule needs to be applied to the instance specifically.
* D. The deny rule overrides the allow rule.

**done Correct**

thumb\_up

thumb\_down

2.

Which of the following is a valid use case for Flow Logs?

* A. Blocking instances from communicating over certain ports.
* B. Network forensics.

**done Correct**

* C. Proxying SSL traffic.
* D. Serving as a UDP relay.

thumb\_up

thumb\_down

3.

You've created a new "Custom Role" for a specific new job role inside your company. The role consisted of several permissions; some had a status of "Supported" others a status of "Testing." The role has been working for weeks; however, some permissions recently stopped working. What is the most likely cause for this?

* A. The custom role has reached its expiration period.
* B. The latest Google applied updates reset all of the custom roles.
* C. One or more permissions with a status of "Testing" have changed.

**done Correct**

* D. Your account has been compromised by hackers.

thumb\_up

thumb\_down

4.

Which of the following is a valid use case for using a primitive role?

* A. When granting permission to a development project or to the development team.

**done Correct**

forum

**Why is this correct?**

This would meet Google's recommended use cases. <https://cloud.google.com/iam/docs/using-iam-securely#least_privilege>

* B. When there are more than 10 users.
* C. When creating a custom role requires more than 10 permissions.
* D. When granting permission to a production project, or to a third-party company.

**close Your Answer**

forum

**Why is this incorrect?**

Don't give full permissions on a whim. <https://cloud.google.com/iam/docs/using-iam-securely#least_privilege>

thumb\_up

thumb\_down

5.

You've been asked to add a new IAM member and grant them access to run some queries on BigQuery. Considering the principle of least privilege, which role should you assign?

* A. roles/bigquery.dataViewer and roles/bigquery.jobUser

**done Correct**

* B. Project Editor
* C. roles/bigquery.admin
* D. roles/bigquery.dataOwner

thumb\_up

thumb\_down

6.

Your boss has asked you to onboard a new user and provide them with access to their team's project. What set of steps best describes what needs to happen?

* A. Add them as a member of the project, grant them the required roles, and sync the user back to G Suite.
* B. Add the user inside of G Suite, create a user group, and add them to that user group.
* C. Add the user inside of G Suite; sync from G Suite to the Active Directory using the Directory Sync util; add them as a member and grant them the required roles.
* D. Add the user inside of G Suite, add them as a member of the project, and grant them the required roles.

**done Correct**

thumb\_up

thumb\_down

7.

You have 3 Cloud Storage buckets that all store sensitive data. Which grantees should you audit to ensure that these buckets are not public?

* A. allUsers
* B. allAuthenticatedUsers
* C. publicUsers

**close Your Answer**

forum

**Why is this incorrect?**

This isn't a real grantee <https://linuxacademy.com/cp/courses/lesson/course/2922/lesson/8/module/238>

* D. allUsers and allAuthenticatedUsers

**done Correct**

forum

**Why is this correct?**

Either of these tokens represents public users. allAuthenticatedUsers represents a user with a Google account. They don't need to be part of your organization. Neither token should be used to grant permissions unless the bucket is truly public. <https://linuxacademy.com/cp/courses/lesson/course/2922/lesson/8/module/238>

thumb\_up

thumb\_down

8.

Regarding audit logs, which of the following is a Google recommended best practice?

* A. Export your audit logs to App Engine.
* B. Export your audit logs to Pub/Sub.
* C. Flush your audit logs monthly so you can more easily notice security events.
* D. Export your audit logs to Cloud Storage and store them for a long period of time.

**done Correct**

thumb\_up

thumb\_down

9.

You've been asked to help onboard a new member of the big-data team. They need full access to BigQuery. Which type of role would be the most efficient to set up while following the principle of least privilege?

* A. Primitive Role
* B. Custom Role
* C. Managed Role
* D. Predefined Role

**done Correct**

thumb\_up

thumb\_down

10.

Your security team has been reluctant to move to the cloud because they don't have the level of network visibility they're used to. Which feature might help them to gain insights into your Google Cloud network?

* A. Routes
* B. Subnets

**close Your Answer**

forum

**Why is this incorrect?**

A subnet itself isn't going to provide low-level visibility <https://cloud.google.com/vpc/docs/using-flow-logs><https://linuxacademy.com/cp/courses/lesson/course/2842/lesson/1/module/238>

* C. Flow logs

**done Correct**

forum

**Why is this correct?**

Flow logs are great for gaining insights into what's happening on a network. They provide a sample of the flows to and from instances. <https://cloud.google.com/vpc/docs/using-flow-logs><https://linuxacademy.com/cp/courses/lesson/course/2842/lesson/1/module/238>

* D. Firewall rules

thumb\_up

thumb\_down

Setting up a cloud solution environment

1.

You've been asked to add Martha Jones as a member of the "Production Storefront App" project; Using the email address [martha.jones@tardis.com](mailto:martha.jones@tardis.com) with the App Engine Admin role. You browse to the IAM page in the console and attempt to add her, however, you get the following error.

"Email addresses and domains must be associated with an active Google Account or Google Apps account."

What's the most likely cause for this error?

* A. Martha has already been added as a to this project as a different member.
* B. Martha has been denied access due to a policy on the Organization.
* C. Martha hasn't been added as a user inside the Company's G Suite account.

**done Correct**

* D. Martha has an outstanding bill with Google and can't be added until the bill is paid.

thumb\_up

thumb\_down

2.

You're in charge of setting up a Stackdriver account to monitor 3 separate projects. Which of the following is a Google best practice?

* A. Use the existing project with the least resources as the host project for the Stackdriver account.
* B. Use the existing project with the most resources as the host project for the Stackdriver account.
* C. Create a new, empty project to use as the host project for the Stackdriver account.

**done Correct**

* D. Use one of the existing projects as the host project for the Stackdriver account.

thumb\_up

thumb\_down

3.

Your development team has asked for your help. They need a simple, reproducible way to create and terminate a new Compute Engine instance so that they can automate it as a part of their CI/CD process. What is the best option for accomplishing that?

* A. Show them how to use the Console to create and terminate instances.
* B. Recommend that they use the REST API to develop the functionality in the language of their choosing.
* C. Show them how to use the gcloud component of the Cloud SDK.

**done Correct**

* D. Show them how to use a Docker container. Then they can get rid of the need for the VM.

thumb\_up

thumb\_down

4.

You're using a self-serve Billing Account to pay for your 2 projects. Your billing threshold is set to $1000.00 and between the two projects you're spending roughly 50 dollars per day. It has been 18 days since you were last charged.

Given the above data, when will you likely be charged next?

* A. On the first day of the next month.
* B. In 2 days when you'll hit your billing threshold.

**done Correct**

forum

**Why is this correct?**

With Self-serve, you pay when you hit the billing threshold or every 30 days; whichever happens first. Given the scenario assumes $50 per day, you'll hit the spending threshold in 2 more days.<https://linuxacademy.com/cp/courses/lesson/course/2540/lesson/1/module/238>

* C. On the thirtieth day of the month.
* D. In 12 days, making it 30 days since the previous payment.

**close Your Answer**

forum

**Why is this incorrect?**

Given the scenario assumes $50 per day, you'll hit the spending threshold in 2 more days. If for some reason there were no more charges, then this would be the correct answer.<https://linuxacademy.com/cp/courses/lesson/course/2540/lesson/1/module/238>

thumb\_up

thumb\_down

5.

You recently created a budget with alerts for a new project 2 days ago. The budget is set for $500, and the new project only contains a single low traffic App Engine application. Unlike the other projects which are highly used production environments.

You just received an email informing you that you’ve hit 50% of your budget.

What is the most likely reason for this notification?

* A. You’ve experienced a billing glitch.
* B. You set the budget to use the billing account rather than the project.

**done Correct**

forum

**Why is this correct?**

You can set the budget to track against a billing account or project. If you intended to use the project, and accidentally used the billing account, that could cause this.<https://linuxacademy.com/cp/courses/lesson/course/2540/lesson/2/module/238>

* C. You’ve had a massive spike in App Engine traffic.
* D. You’ve underestimated the costs associated with App Engine, Datastore, or other used services.

**close Your Answer**

forum

**Why is this incorrect?**

Possible, however, given the scenario, this isn't the most likely cause. If the project is low traffic, then Google would have to raise their prices into the stratosphere to accumulate $500 in 2 days.<https://linuxacademy.com/cp/courses/lesson/course/2540/lesson/2/module/238>

thumb\_up

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6.

Your finance team is working with the engineering team to try and determine your spending for each service by day and month across all projects used by the billing account. What is the easiest and most flexible way to aggregate and analyze the data?

* A. Export the data for the billing account(s) involved to BigQuery; then use BigQuery to analyze the service data for the desired projects, by day and month.

**done Correct**

* B. Export the data for the billing account(s) involved to a JSON File; use a Cloud Function to listen for a new file in the Storage bucket; code the function to analyze the service data for the desired projects, by day and month.
* C. Export the data for the billing account(s) to File, import the files into a SQL database; then use BigQuery to analyze the service data for the desired projects, by day and month.
* D. Use the built-in reports which already show this data.

thumb\_up

thumb\_down

7.

You need to help a developer install the App Engine Go extensions. However, you've forgotten the exact name of the component. Which command could you run to show all of the available options?

* A. gcloud config list
* B. gcloud component list
* C. gcloud config components list
* D. gcloud components list

**done Correct**

thumb\_up

thumb\_down

8.

A member of the finance team informed you that one of the projects is using the old billing account. What steps should you take to resolve the problem?

* A. Go to the **Project** page; expand the **Billing** tile; select the **Billing Account** option; select the correct billing account and save.
* B. Go to the **Billing** page; view the list of projects; find the project in question and select **Change billing account**; select the correct billing account and save.

**done Correct**

* C. Delete the project and recreate it with the correct billing account.
* D. Submit a support ticket requesting the change.

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9.

Which of the following are considered components of the Cloud SDK?

* A. glist
* B. gcloud

**done Correct**

forum

**Why is this correct?**

This is a component, which is also a command-line tool.<https://linuxacademy.com/cp/courses/lesson/course/2541/lesson/3/module/238>

* C. gcloud beta

**done Correct**

* D. config
* E. gsutil

**done Correct**

* F. gcloud alpha

**done Correct**

* G. compute
* H. bq

**done Correct**

thumb\_up

thumb\_down

10.

You're attempting to remove the zone property from the Compute Engine service, that was set with the incorrect value. Which command would accomplish your task?

* A. gcloud config unset compute/zone

**done Correct**

* B. gcloud config unset zone
* C. gcloud config configurations unset compute/zone
* D. gcloud unset compute/zone