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Question 1:

You are on-call managing an application in production. You receive alerts from the monitoring system of the application which show it is failing uptime checks.

What do you do first following SRE best practice of managing incidents?

* 

**Perform a root cause analysis**

* 

**Start fixing it**

* 

**Inform your team lead**

* 

**Investigate, and if it persists, appoint an incident commander**

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Question 2:

Your team is planning to deploy an application to App Engine in the production Project. You need to be able to inspect the state of the app in real time, without stopping or slowing it down.

How can you accomplish this?

* 

**Using Cloud Monitoring to inspect the state of the app in real time**

* 

**Using Cloud Logging to inspect the state of the app in real time**

* 

**Using Cloud Profiler to inspect the state of the app in real time**

* 

**Using Cloud debugger to inspect the state of the app in real time**

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Question 3:

You are responsible for designing the logging of an application. Your company has asked you to ensure logs are sent to the company’s Splunk instance.

How should you accomplish this with the least amount of operation overhead?

* 

**Create logs export to Cloud Storage buckets as the destination and use Cloud Functions to copy to the Splunk.**

* 

**Create logs export to a Pub/Sub topic as the destination and subscribe the Splunk to the Pub/Sub topic**

* 

**Create logs export to a BigQuery dataset as the destination and use Cloud Functions to copy to the Splunk.**

* 

**Create logs export to Splunk as the destination.**

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Question 4:

You are responsible for designing a new logs collection system in your organization. Your company has asked you to ensure all audit logs from all projects in the organization are aggregated in one location.

How should you accomplish this? Choose Two.

* 

**Create a Project for collecting logs, and create a logging bucket in Cloud Storage using the console in that Project**

* 

**Create a Project for collecting logs, and create a logging bucket in Logging using the console in that Project**

* 

**Create a logs sink in the console, select the type of logs to be collected, logging bucket, organization and all the projects in the organizations**

* 

**Create a logs sink from the cli, specifying the type of logs to be collected, logging bucket, organization and the –include-children flag**

* 

**Create logs sink in every Project to the logging bucket**

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Question 5:

You are responsible for designing a CI/CD pipeline in your organization. Your company has asked you to ensure all data access logs for the pipeline is turned on and kept for at least 90 days.

What should you take into consideration before Data Access logs are turned on? Choose Three.

* 

**Cost implications for log ingestion**

* 

**Cost Implications for logs storage**

* 

**Logs destination**

* 

**Log structure**

* 

**Logs allotment limits**

* 

**Cost implications for logs routing**

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Question 6:

You are responsible for designing a CICD pipeline in your organization. Your company has asked you to ensure all the continuous deployment (CD) part of the pipeline can handle Blue/Green deployment.

How could you accomplish this? Choose Two.

* 

**Spinnaker deployed on GKE**

* 

**Cloud Build**

* 

**Deployment Manager**

* 

**Cloud Run**

* 

**Jenkins deployed on GKE**

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Question 7:

Your team is designing a CICD pipeline for your organization. Jenkins was chosen as the Continuous Deployment Tool.

Following GCP’s recommended practice, how should the CD Tool be deployed? Choose Two.

* 

**Jenkins deployed on GKE**

* 

**Jenkins deployed on Cloud Run**

* 

**Jenkins deployed on Compute Engine**

* 

**Jenkins deployed on App Engine**

* 

**Jenkins deployed on Cloud Functions**

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Question 8:

Your team is designing a web-facing application for your organization. The application is intended to serve users globally. Your job is to plan for the capacity of the application.

Following GCP’s SRE best practice for capacity management, which of these is not recommended?

* 

**Design for graceful degradation**

* 

**Carry out load testing**

* 

**Implement monitoring and alerting**

* 

**Provision a higher capacity to account for possible demand spikes**

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Question 9:

You are responsible for deploying a web-facing application. The application will serve users in multiple regions. There is a reliability requirement for the system not to be overloaded with requests during peak periods.

Following GCP’s SRE best practice, which of these is not recommended?

* 

**Implement queue management**

* 

**Load Shedding**

* 

**Implement cross-layer communication**

* 

**Implement Retries**

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Question 10:

Your team uses Docker images to build applications. There is a requirement for exploits to be detected in Docker images built using Cloud Build before they are used in deployments. You have been tasked with deploying the process to detect vulnerabilities in built images before they are deployed.

What steps can you take to achieve this? Choose TWO

* 

**Enable Vulnerability scanning in Cloud Build to scan images.**

* 

**Enable Vulnerability scanning in Cloud Source Repositories to scan images.**

* 

**Enable Vulnerability scanning in Container Registry to scan images**

* 

**Enable Vulnerability scanning in Cloud Private Catalog to scan images**

* 

**Enable Vulnerability scanning in Artifact Registry to scan images**

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uestion 11:

Your team is developing an application using Java. Cloud Build is used to build images for applications. There is a requirement for store the Java image and maven packages in GCP for use in deployment.

What is the recommended solution to achieve this?

* 

**Store the Java image in Cloud Source Repository and the maven packages in Container Registry.**

* 

**Store the Java image in Cloud Storage and the maven packages in Container Registry.**

* 

**Store the Java image and maven packages in Container Registry**

* 

**Store the Java image in Container Registry and the maven packages in Cloud Storage**

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Question 12:

To meet industry compliance, your company has asked you to configure VPC Flow Logs. A key priority is to streamline the logs collected from Flow Logs to reduce storage costs.

What steps can you take to achieve this? Choose TWO

* 

**You can set filters so that only logs that match certain criteria are generated.**

* 

**Metadata annotations can be turned off, or you can specify only certain annotations.**

* 

**Create Log Sinks to store VPC Flow Logs**

* 

**Modify Logs using the record\_transformer plugin to reduce the number of logs written to Logging**

* 

**Modify the default retention period on the Logs bucket**

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Question 13:

To meet security compliance of centrally collecting VPC Flow Logs, your company asked you to configure a Logs routing sink. The Sink destination is a Logging bucket in another project. After you configure the Logs Sink, a few days later one of the security team members points out that there are no logs in the logging bucket.

Which of the following is not a possible reason?

* 

**Flow Logs were not enabled in the monitored Project.**

* 

**Firewall rules are blocking traffic.**

* 

**Logging exclusion filters defined on the sink block specified logs**

* 

**Viewing the wrong Logging bucket**

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Question 14:

You are responsible for managing the release of a new version, with breaking changes, of an API that your company owns. There are numerous customers who consume this API.

Which of the following is the recommended release order?

* 

**Announce the new version, Deploy the new version of the API, Inform customers of the end date of the old API version, Provide support for any customers using the old version till its end date, Deprecate old API version.**

* 

**Deploy the new version of the API, Announce the new version, Inform customers of the end date of the old API, Deprecate old API version, Provide support for any customers using the old version till its end date.**

* 

**Announce the new version, Deploy the new version of the API, Deprecate old API version, Inform customers of the end date of the old API version, Provide support for any customers using the old version till its end date.**

* 

**Inform customers of the end date of the old API version, Deprecate old API version, Announce the new version, Deploy the new version of the API, provide support for any customers using the old version till its end date.**

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Question 15:

Your team is developing a python application for a government agency. The company has decided that the application should be deployed to App Engine Flexible environment in GCP. There is a security requirement for collection of the application logs.

Which steps can you take to fulfil this requirement? Select TWO

* 

**Integrate the python logging module with Cloud Logging.**

* 

**There is nothing to be done, App Engine automatically sends these logs to the Cloud Logging agent.**

* 

**You can write structured logs as JSON objects serialized on a single line to stdout or stderr**

* 

**Grant the Logs Writer role to App Engine**

* 

**Enable Cloud Logging**

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Question 16:

Your Site Reliability (SRE) team members are frequently interrupted with several tasks/requests, such as handling quota requests, from customers that prevent them from making progress on engineering work or feature launches. A recent review shows that most of the requests are repetitive.

Which steps can you take to reduce the interruptions following Google’s SRE best practice to avoid exhaustions or burnout?

* 

**Onboard additional team members for support.**

* 

**Assign the engineering work to the Software Engineering team.**

* 

**Offload some of the requests to another SRE team to handle**

* 

**Identify repetitive tasks that cause the interruptions and automate them**

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Question 17:

Your Site Reliability (SRE) team members manage an application deployed in three regions. The application is deployed on Managed Instance Groups placed behind a global HTTP(S) Load balancer. You are applying a critical security patch to the Compute Engines. You successfully patch the instances in the first 2 regions, but you made an error in the patching of the third region which causes requests to that region to fail.

You want to mitigate the impact of unsuccessful patching on users. What should you do?

* 

**Restart all the Instances in the affected region.**

* 

**Rollback the changes made to region 3.**

* 

**Increase the number of instances in region 3.**

* 

**Drain the requests to region 3 and redirect requests to regions 1 and 2.**

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Question 18:

Your team manages a financial application for an organisation. You have been given a requirement to preserve the logs from the application for 10years as part of a compliance process. Logs will be reviewed once a year.

What is the most cost-effective way to achieve this?

* 

**Create a sink to route the application logs to a Cloud Storage Archive bucket and set the retention policy to 10 years.**

* 

**Create a sink to route the application logs to a user-defined logs bucket and set the retention period to 3650 days.**

* 

**Create a sink to route the application logs to a Cloud Storage Coldline bucket and set the retention policy to 10 years**

* 

**Create a sink to route the application logs to BigQuery dataset**

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Question 19:

Your team is developing a containerized python application for a government project. The application uses a microservices architecture and will be deployed using Cloud Run. You have been asked to capture the application's top or new errors in a clear dashboard in real-time.

How would you achieve this?

* 

**Install the Logging agent and Modify your application so that it logs exceptions and their stack traces to Logging.**

* 

**Install the Monitoring agent and Modify your application so that it exceptions and their stack traces to Error reporting.**

* 

**No additional setup or configuration is required. Error reporting is automatically enabled for Cloud Run.**

* 

**Report errors to the API using either the REST API or a client library**

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Question 20:

Your company has several Google Projects. As part of the CI/CD pipeline it has a Project where automated Compute and Docker Image creation is done. Users in the developer, staging and Production Projects require access to the images created for deployments.

Following principle of least privilege, what IAM role would you need to assign to users to achieve this?

* 

**Allow users to create instances from these images by granting them the compute.imageUser role in the image creation Project.**

* 

**Allow users to create instances from these images by granting them the compute.instanceAdmin role in the image creation Project.**

* 

**Allow users to create instances from these images by granting them the compute.imageUser role in their different Projects.**

* 

**Allow users to create instances from these images by granting them the compute.instanceAdmin role in their different Projects**

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Question 21:

You are developing a mobile application for a financial institution. A key security requirement is that application passwords are changed frequently. The application will comprise two parts; the front-end deployed on Google Kubernetes Engine and the database is Google Cloud SQL. You need a secure way to pass the database credentials to the application at runtime and also meet the security requirement.

How can you achieve this following best practice?

* 

**Store the credentials in the application code and update it as needed by releasing new versions/updates to the application.**

* 

**Use the CI/CD pipeline to inject the credentials into the application at deployment**

* 

**Create a secret via the console and configure secret rotation. Store the credentials in the secret. Configure the application to get the credentials from Secrets Manager using secret versions and update the secret version used by the application after every rotation and disable previous versions.**

* 

**Create a secret via the CLI and configure secret rotation. Store the credentials in the secret, Configure the application to get the credentials from Secrets Manager using secret versions and update the secret version used by the application after every rotation and disable previous versions.**

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Question 22:

Your company has decided to migrate from on-premises to Google Cloud. The first environment to be migrated is the development and testing environments. Currently each environment is fully documented, consists of a network with 3 subnets, several firewall rules, routes, VMs, Storage, Databases and DNS. The environments need to be consistent and immutable.

Following best practice, how would you deploy the environments and make them reproducible with little overhead?

* 

**Divide the environment amongst experienced engineers, who will deploy them and be responsible for the environment’s reproduction.**

* 

**Create the environment as code using Deployment manager or Terraform templates. Assign variables to values that are unique across environments.**

* 

**Create the resources individually in the console following the documentation provided.**

* 

**Create the environment as code using python in a Cloud Function. Assign variables to values that are unique across environments**

* 

**Create the resources individually in CLI following the documentation provided**

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Question 23:

You are working on a new application development for a gambling company. The application will utilize a microservices architecture to allow for loose coupling of the different components. You are using Cloud Build to build the docker images. You have tested the build locally using the local builder, but when you try to run the build in Cloud Build it fails.

Which of the following could be the problem?

* 

**Certain Firewall rules set in the VPC deny the Cloud Build traffic.**

* 

**Cloud Build is in a different region from where you tested.**

* 

**Certain permissions on your personal account are missing from the cloud Build service account.**

* 

**You are running multiple builds at the same time.**

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Question 24:

You are developing a new application for a global media company. The application will serve content to users in several countries. The application needs to have a high availability and reliability. Your team has agreed on relevant SLOs and Error budget policy with stakeholders.

Which of the following is not a recommended action when the service has consumed its entire error budget?

* 

**Lowering the SLOs will provide more Error budget to work with.**

* 

**The development team gives top priority to bugs.**

* 

**To reduce the risk of more outages, a production freeze halts certain changes to the system until there is sufficient error budget to resume changes.**

* 

**The development team focuses exclusively on reliability issues until the system is within SLO.**

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Question 25:

You are part of an on-call SRE team managing a production application. The application receives requests, processes it and returns the response to the user. A new update was deployed yesterday to introduce new features into the application. Users are now complaining about errors and failed processed requests from the application. Your team declares an incident.

Which of the following is the recommended first action after an incident is declared?

* 

**Mitigate the impact.**

* 

**Perform a root-cause analysis of the incident.**

* 

**fix what caused the incident and write a post-mortem.**

* 

**Assess the impact of the incident.**

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Question 26:

You are part of an on-call SRE team managing a frontend web service application in production. The application offers an HTTP-based API that consumers can use to manipulate various data. A new version has been developed and needs to be tested with live traffic. There is a requirement to minimize the number of users that will be affected if the new version fails.

Which of the following helps you meet the requirement?

* 

**Deploy a new version to production using a canary deployment method.**

* 

**Deploy a new version to production using a Blue/Green deployment method.**

* 

**Deploy a new version to production using a Rolling update deployment method.**

* 

**Deploy a new version to production using a Red/Black deployment method.**

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Question 27:

You are part of a team designing a containerized application to be deployed to GKE. The application will be deployed to a five-node cluster in a single region. The application will be used to process sensitive user data and there is a requirement to remove any sensitive data from the logs before it goes to Cloud Logging.

Which of the following helps you meet the requirement? Choose TWO

* 

**Enable Cloud Operations in GKE Select System and workload logging and monitoring**

* 

**Enable Cloud Operations in GKE Select Legacy logging and monitoring.**

* 

**Enable Cloud Operations in GKE Select System monitoring only (Logging disabled).**

* 

**Deploy a custom FluentD deployment to the cluster that filters out the sensitive information, so it is not logged**

* 

**Deploy a custom FluentD daemonset to the cluster that filters out the sensitive information, so it is not logged**

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Question 28:

You are part of the DevOps team in a growing analytics company. The company currently deploys its docker applications on Virtual Machines on-premises. The company has three different environments: dev, staging and production. The company is planning to move its applications to GKE. The key requirement is the need to have the environments separate in a way the allows for restricting access using IAM policy.

Which of the following helps you meet the requirement following GCP’s best practice?

* 

**Create a VPC with three subnets in a Project, Create a GKE cluster in each subnet for the different environments**

* 

**Create three VPCs with one subnet in a Project, Create a GKE cluster in each VPC for the different environments**

* 

**Create one GKE cluster with three namespaces for the different environments**

* 

**Create three Projects, Create a GKE cluster in each Project for the different environment**

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Question 29:

Your SRE team is responsible for monitoring and logging of the applications in different Production Projects. The applications are deployed on different resources like Compute Engine and GKE. Your team has created a centralised monitoring dashboard in the monitoring Project for the metrics from all the production Projects. A new member needs to be given access to one of the charts in the centralised dashboard for training purposes.

Which steps will help you meet the requirements? Choose TWO

* 

**View the desired Chart in Metrics Explorer Use Share by URL to get a parameterized URL for the Chart Send the URL with the new member**

* 

**Use Share by URL to get a parameterized URL for the Dashboard Send the URL with the new member**

* 

**View the desired Chart in Uptime checks Use Share by URL to get a parameterized URL for the Chart Send the URL with the new member**

* 

**Grant the new member the Monitoring Dashboard Configuration Viewer role in the monitoring Project**

* 

**Grant the new member the Monitoring Viewer role in the monitoring Project**

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Question 30:

Your team is designing a new User-facing application to serve requests. Service Level Objectives (SLOs) have been set. Your team has been mandated to ensure the application always meets the set SLOs. Your Job is to choose Service Level Indicators (SLIs) that will allow your team effectively monitor the system so it does not breach the SLOs

Which of the following is Google's SRE suggested best practice for selecting SLIs?

* 

**Choose as many SLIs as possible to cover all aspects of the system that users interact with.**

* 

**Choose very few SLIs as possible to reduce unactionable alerts**

* 

**Discover what users expect from the system and choose SLIs to measure it.**

* 

**Allow users to feedback on issues before choosing SLIs.**

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Question 31:

Your team manages an application serving a global audience. A recent update caused a service downtime. You have been designated as the Incident commander.

Which of the following should not be in the Incident Document according to Google SRE’s best practices?

* 

**Incident timeline.**

* 

**List of Actions carried out to restore the service.**

* 

**The developers responsible for the update.**

* 

**Command hierarchy.**

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Question 32:

You are helping with the design of a data processing pipeline for a company. Data is streamed from different devices into the pipeline and then processed before it is loaded into the final storage for analytic use. You want to identify minimal Service Level Indicators (SLIs) for the pipeline to ensure that the data in the final storage is up to date.

Which SLI should not be part of your consideration?

* 

**Throughput.**

* 

**Latency.**

* 

**Correctness**

* 

**Durability.**

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Question 33:

You are part of the SRE team tasked with writing a postmortem of an outage for one of the services your team manages.

Which of these should not be a part of the creation of the postmortem document according to the Google’s SRE best practices?

* 

**Root cause analysis.**

* 

**Collaboration and Knowledge-sharing.**

* 

**Unreviewed postmortem**

* 

**Outlining preventive actions.**

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Question 34:

Your company currently has its containerised applications deployed in on-premises Kubernetes cluster. They have a plan to deploy a similar environment in GCP. The company is concerned about the amount of operations that will be needed to keep both environments in sync.

Which of the following can be used to keep the Kubernetes environments in sync and provide a centralised multi-cluster management?

* 

**CloudBuild.**

* 

**Anthos.**

* 

**Jenkins.**

* 

**Cloud Source Repositories.**

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Question 35:

Your company has tasked you with setting up a Continuous Integration pipeline. When code is committed to the source repository, the pipeline will build docker containers to be pushed to Container Registry and non-container artifacts to be pushed to Cloud Storage.

How would you accomplish this? Choose Two.

* 

**Add an images field, that specifies the docker images to be pushed to container registry, to the Cloud Build config file.**

* 

**Add an artifacts field, that specifies the docker images to be pushed to container registry, to the source repository config file**

* 

**Add an artifacts field, that specifies the non-container artifacts to be stored in Cloud Storage, to the Cloud Build config file**

* 

**Add an images field, that specifies the non-container artifacts to be stored in Cloud Storage, to the source repository config file.**

* 

**Add an options field, that specifies the non-container artifacts to be stored in Cloud Storage, to the source repository config file.**

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Question 36:

You are tasked with designing an automated CI pipeline for building and pushing images to Container Registry. In the current system, developers have to issue build commands after code is pushed to the test branch in the source repository.

What steps can you take to automate the build of the test branch with the least amount of management overhead?

* 

**Add a cloud build config file when code is pushed to the branch. Create a trigger in Cloud Source Repository and select the event “Push to a branch”**

* 

**Add a cloud build config file when code is pushed to the branch. Create a trigger in Cloud Build and select the event “Push to a branch”**

* 

**Add a cloud build config file when code is pushed to the branch. Create a trigger in Cloud Build and select the event “Pull request”**

* 

**Create a cloud function that is triggered when code is committed to the cloud source repository.**

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Question 37:

Your company has deployed all its Cloud Source Repositories in a separate GCP Project. You have been tasked with granting permissions developers in the dev Project access to commit code to the dev repository in that Project.

How can you achieve this according to Google’s best practice of least privilege?

* 

**Grant the developers the Source Repository Admin role at Project level**

* 

**Grant the developers the Source Repository Writer role at Repo level**

* 

**Grant the developers the Source Repository Reader role at Project level**

* 

**Grant the developers the Source Repository Admin role at Repo level**

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Question 38:

Your team is running a production apache application on Google Compute Engine. You currently monitor the default metrics such as CPU utilization. You have a new requirement to monitor metrics from the Apache application in the Google Cloud console.

What should you do? (Choose 2).

* 

**Install the fluentd agent on the Compute Engine instance.**

* 

**Install the collectd agent on the Compute Engine instance.**

* 

**Download the apache.conf, place it in the directory /etc/stackdriver/collectd.d/ and restart the monitoring agent.**

* 

**Download the apache.conf, place it in the directory /etc/stackdriver/fluentd.d/ and restart the monitoring agent.**

* 

**Install the logging agent on the Compute Engine instance**

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Question 39:

Your company is serving an application through the Compute Engine service behind a global load balancer. You have been tasked with monitoring the availability of the application and alert the on-call engineer if the application is unavailable for more than five minutes.

What should you do with the least management overhead?

* 

**Use Cloud Logging alerts to trigger a notification**

* 

**Deploy a service to the instances to notify you when they fail**

* 

**Create Uptime checks with the IP address of the individual VMs and an alerting policy to trigger a notification**

* 

**Create an Uptime check with the IP address of the load balancer and an alerting policy to trigger a notification**

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Question 40:

Your company is planning to deploy a python application on Google App Engine Standard Environment. There is a requirement to continuously gather CPU usage information from your production application.

What steps will help achieve this? Choose Two.

* 

**Enable the Cloud Trace API**

* 

**Install pip and Install the Trace package**

* 

**Enable the Cloud Profiler API and add google-cloud-profiler to your requirements.txt file**

* 

**Install pip and Install the Cloud Profiler package**

* 

**Import googlecloudprofiler module and call the googlecloudprofiler. start function**

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Question 41:

You provide support for a Python application in production on Compute Engine. In recent times there have been complaints about the slow response of the application. You want to investigate how requests propagate through your entire application.

Which should you do?

* 

**Instrument your application and submit traces to Cloud Trace**

* 

**Install the monitoring agent and send metrics to Cloud Monitoring**

* 

**Install the logging agent and send logs to Cloud Logging**

* 

**Create a dashboard to monitor the CPU utilization of the Compute Engine**

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Question 42:

Your team is developing an application that will be deployed to production. During the load testing of the application there were application failures, infrastructure issues, and some capacity issues which were resolved and documented for reference in future incidents.

Which of the following is not a recommended practice for Incident management?

* 

**Focus on restoring service during incidents**

* 

**Encourage team members to be familiar with each role in the incident management process.**

* 

**Develop and document your incident management procedures in advance**

* 

**Prioritize root-cause analysis during incidents**

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Question 43:

Your team is creating an incident management procedure which will be a guide for your team during incidents. Part of Google's SRE incident management best practice is the separation of responsibilities.

Which of the following responsibilities is not essential during an incident?

* 

**A person responsible for assigning responsibilities according to need and priority**

* 

**The person or team responsible for modifying the system during an incident**

* 

**The public face of the incident response task force**

* 

**The person who created the incident management procedure**

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Question 44:

Your team recently pushed an update to production. Several customers are now complaining that the service is taking too long to respond.

What should you do first following Google’s SRE best practice for effective troubleshooting?

* 

**Try to figure out the severity of the issue**

* 

**Open a bug (ticket) for the issue**

* 

**Make the system work as well as it can while you troubleshoot**

* 

**Review the application logs**

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Question 45:

Your team is managing multiple Projects with different applications. You have been asked to centralize all billing data for the projects for ease of analysis.

What steps should you take, following Google’s best practice? Choose Two.

* 

**Create a separate Project for billing and restrict access to this Project using roles.**

* 

**Export Cloud Billing data to a file in a Cloud Storage bucket in the billing Project.**

* 

**Export Cloud Billing data to Bigtable in the billing Project**

* 

**Export Cloud Billing data to BigQuery dataset in the billing Project**

* 

**Export Cloud Billing data to Cloud PubSub in the billing Project**

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Question 46:

You are a devops engineer on a large-scale application development for a multinational company. The development, testing and production environment consists of several Projects. You have been tasked with designing and implementing a billing export for the multiple Projects to a central billing Project.

Following the principle of least privilege, what role will be needed?

* 

**Project Owner**

* 

**Cloud Billing Administrator**

* 

**Project Billing Manager**

* 

**Billing Account User**

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Question 47:

Your team manages several applications in different Projects with a central billing Project. There is a requirement from finance to provide the ability for billing breakdown according to departments or projects in BigQuery.

How would you accomplish this?

* 

**Apply the appropriate Tags to resources in the different Projects.**

* 

**Apply the appropriate Security Marks to resources in the different Projects.**

* 

**Create StackDriver Resource Groups in the different Projects**

* 

**Apply the appropriate Labels to resources in the different Projects.**

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Question 48:

You manage an application deployed on Google Kubernetes Engine (GKE). The application logs are captured by Cloud Logging. You need to remove sensitive data from the application logs before it reaches the Cloud Logging API.

Which logging plugin would you use to accomplish this?

* 

**Use the filter\_record\_transformer plugin to remove sensitive data.**

* 

**Use fluent-plugin-record-reformer plugin to remove sensitive data.**

* 

**Use fluent-plugin-detect-exceptions plugin to remove sensitive data**

* 

**Use fluent-plugin-parser plugin to remove sensitive data.**

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Question 49:

You manage an application deployed on Google Compute Engines (GCE) in a Managed Instance Group. The application requires high availability and will be used to serve requests for some years.

Which option provides the lowest cost for you accomplish this?

* 

**Apply for committed-use discounts.**

* 

**Use preemptible VMs.**

* 

**Sustained-use discounts for the VMs**

* 

**Utilize Standard VMs.**

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Question 50:

You are responsible for the VPC network design of an application that your team will be deploying on Compute Engine (GCE). Minimal cost for Internet egress traffic charges is a requirement.

Which Network Service Tier option provides the lowest cost?

* 

**Select the Premium Tier for your network design.**

* 

**Utilize NATs for egress to reduce cost of your network design**

* 

**Select the Standard Tier for your network design**

* 

**Select the Basic Tier for your network design.**

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Question 51:

You are part of the SRE team tasked with writing a postmortem of an outage for one of the services your team manages.

Which of these should not be a part of the creation of the postmortem document according to Google’s SRE best practices?

* 

**Root cause analysis.**

* 

**Collaboration and Knowledge-sharing.**

* 

**Unreviewed postmortem**

* 

**Outlining preventive actions.**

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Question 52:

Your company currently has its containerized applications deployed in an on-premises Kubernetes cluster. They have a plan to deploy a similar environment in GCP. The company is concerned about the number of operations that will be needed to keep both environments in sync.

Which of the following can be used to keep the Kubernetes environments in sync and provide a centralized multi-cluster management?

* 

**CloudBuild**

* 

**Anthos**

* 

**Jenkins**

* 

**Cloud Source Repositories.**

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Question 53:

Your company has tasked you with setting up a Continuous Integration pipeline. When code is committed to the source repository, the pipeline will build Docker containers to be pushed to Container Registry and non-container artifacts to be pushed to Cloud Storage.

How would you accomplish this? Choose Two.

* 

**Add an images field, that specifies the docker images to be pushed to the container registry, to the Cloud Build config file.**

* 

**Add an artifacts field, that specifies the docker images to be pushed to the container registry, to the source repository config file**

* 

**Add an artifacts field, that specifies the non-container artifacts to be stored in Cloud Storage, to the Cloud Build config file**

* 

**Add an images field, that specifies the non-container artifacts to be stored in Cloud Storage, to the source repository config file.**

* 

**Add an options field, that specifies the non-container artifacts to be stored in Cloud Storage, to the source repository config file.**

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