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QUESTION 1

You have a CI/CD pipeline that uses Cloud Build to build new Docker images and push them to Docker Hub. You use Git for code versioning. After making a change in the Cloud Build YAML configuration, you notice that no new artifacts are being built by the pipeline. You need to resolve the issue following Site Reliability Engineering practices. What should you do?

- A. Disable the CI pipeline and revert to manually building and pushing the artifacts.
- B. Change the CI pipeline to push the artifacts to Container Registry instead of Docker Hub.
- C. Upload the configuration YAML file to Cloud Storage and use Error Reporting to identify and fix the issue.
- D. Run a Git compare between the previous and current Cloud Build Configuration files to find and fix the bug.

Correct Answer: D

Run a Git compare between the previous and current Cloud Build Configuration files to find and fix the bug.

This option allows you to compare the previous and current Cloud Build Configuration files and find what has been changed and understand what could be causing the issue. After identifying the problem, you can fix it and ensure that the

pipeline is working correctly again. This approach is based on the SRE practices of identifying and resolving issues quickly and effectively.

QUESTION 2

Your team has recently deployed an NGINX-based application into Google Kubernetes Engine (GKE) and has exposed it to the public via an HTTP Google Cloud Load Balancer (GCLB) ingress. You want to scale the deployment of the application's frontend using an appropriate Service Level Indicator (SLI). What should you do?

- A. Configure the horizontal pod autoscaler to use the average response time from the Liveness and Readiness probes.
- B. Configure the vertical pod autoscaler in GKE and enable the cluster autoscaler to scale the cluster as pods expand.
- C. Install the Stackdriver custom metrics adapter and configure a horizontal pod autoscaler to use the number of requests provided by the GCLB.
- D. Expose the NGINX stats endpoint and configure the horizontal pod autoscaler to use the request metrics exposed by the NGINX deployment.

Correct Answer: C

<https://cloud.google.com/kubernetes-engine/docs/tutorials/autoscaling-metrics>

QUESTION 3

You need to introduce postmortems into your organization. You want to ensure that the postmortem process is well received. What should you do? (Choose two.)



- A. Encourage new employees to conduct postmortems to team through practice.
- B. Create a designated team that is responsible for conducting all postmortems.
- C. Encourage your senior leadership to acknowledge and participate in postmortems.
- D. Ensure that writing effective postmortems is a rewarded and celebrated practice.
- E. Provide your organization with a forum to critique previous postmortems.

Correct Answer: CD

QUESTION 4

You support a large service with a well-defined Service Level Objective (SLO). The development team deploys new releases of the service multiple times a week. If a major incident causes the service to miss its SLO, you want the development team to shift its focus from working on features to improving service reliability. What should you do before a major incident occurs?

- A. Develop an appropriate error budget policy in cooperation with all service stakeholders.
- B. Negotiate with the product team to always prioritize service reliability over releasing new features.
- C. Negotiate with the development team to reduce the release frequency to no more than once a week.
- D. Add a plugin to your Jenkins pipeline that prevents new releases whenever your service is out of SLO.

Correct Answer: A

Incident has not occurred yet, even when development team is already pushing new features multiple times a week.

The option A says, to define an error budget "policy", not to define error budget (It is already present). Just simple means to bring in all stakeholders, and decide how to consume the error budget effectively that could bring balance between feature deployment and reliability.

QUESTION 5

You are developing reusable infrastructure as code modules. Each module contains integration tests that launch the module in a test project. You are using GitHub for source control. You need to continuously test your feature branch and ensure that all code is tested before changes are accepted. You need to implement a solution to automate the integration tests. What should you do?

- A. Use a Jenkins server for CI/CD pipelines. Periodically run all tests in the feature branch.
- B. Ask the pull request reviewers to run the integration tests before approving the code.
- C. Use Cloud Build to run the tests. Trigger all tests to run after a pull request is merged.
- D. Use Cloud Build to run tests in a specific folder. Trigger Cloud Build for every GitHub pull request.

Correct Answer: C



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