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QUESTION 1

Your company follows Site Reliability Engineering practices. You are the person in charge of Communications for a large, ongoing incident affecting your customer-facing applications. There is still no estimated time for a resolution of the outage. You are receiving emails from internal stakeholders who want updates on the outage, as well as emails from customers who want to know what is happening. You want to efficiently provide updates to everyone affected by the outage. What should you do?

- A. Focus on responding to internal stakeholders at least every 30 minutes. Commit to "next update" times.
- B. Provide periodic updates to all stakeholders in a timely manner. Commit to a "next update" time in all communications.
- C. Delegate the responding to internal stakeholder emails to another member of the Incident Response Team. Focus on providing responses directly to customers.
- D. Provide all internal stakeholder emails to the Incident Commander, and allow them to manage internal communications. Focus on providing responses directly to customers.

Correct Answer: B

<https://sre.google/workbook/incident-response/>

QUESTION 2

Your company experiences bugs, outages, and slowness in its production systems. Developers use the production environment for new feature development and bug fixes. Configuration and experiments are done in the production environment, causing outages for users. Testers use the production environment for load testing, which often slows the production systems. You need to redesign the environment to reduce the number of bugs and outages in production and to enable testers to load test new features. What should you do?

- A. Create an automated testing script in production to detect failures as soon as they occur.
- B. Create a development environment with smaller server capacity and give access only to developers and testers.
- C. Secure the production environment to ensure that developers can't change it and set up one controlled update per year.
- D. Create a development environment for writing code and a test environment for configurations, experiments, and load testing.

Correct Answer: D

QUESTION 3

You are implementing a CI/CD pipeline for your application in your company's multi-cloud environment. Your application is deployed by using custom Compute Engine images and the equivalent in other cloud providers. You need to implement a solution that will enable you to build and deploy the images to your current environment and is adaptable to future changes. Which solution stack should you use?



- A. Cloud Build with Packer
- B. Cloud Build with Google Cloud Deploy
- C. Google Kubernetes Engine with Google Cloud Deploy
- D. Cloud Build with kpt

Correct Answer: A

Packer is an open source tool for creating identical Virtual Machine (VM) images for multiple platforms from a single source configuration.

Reference: <https://cloud.google.com/build/docs/building/build-vm-images-with-packer>

QUESTION 4

You support a user-facing web application. When analyzing the application's error budget over the previous six months, you notice that the application has never consumed more than 5% of its error budget in any given time window. You hold a Service Level Objective (SLO) review with business stakeholders and confirm that the SLO is set appropriately. You want your application's SLO to more closely reflect its observed reliability. What steps can you take to further that goal while balancing velocity, reliability, and business needs? (Choose two.)

- A. Add more serving capacity to all of your application's zones.
- B. Have more frequent or potentially risky application releases.
- C. Tighten the SLO match the application's observed reliability.
- D. Implement and measure additional Service Level Indicators (SLIs) from the application.
- E. Announce planned downtime to consume more error budget, and ensure that users are not depending on a tighter SLO.

Correct Answer: DE

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

<https://cloud.google.com/build/docs/automating-builds/create-manage-triggers>

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