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QUESTION 1

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 2

Your company runs services by using multiple globally distributed Google Kubernetes Engine (GKE) clusters. Your operations team has set up workload monitoring that uses Prometheus-based tooling for metrics, alerts, and generating dashboards. This setup does not provide a method to view metrics globally across all clusters. You need to implement a scalable solution to support global Prometheus querying and minimize management overhead. What should you do?

- A. Configure Prometheus cross-service federation for centralized data access.
- B. Configure workload metrics within Cloud Operations for GKE.
- C. Configure Prometheus hierarchical federation for centralized data access.
- D. Configure Google Cloud Managed Service for Prometheus.

Correct Answer: D

<https://cloud.google.com/stackdriver/docs/managed-prometheus>

QUESTION 3

Your organization uses a change advisory board (CAB) to approve all changes to an existing service. You want to revise this process to eliminate any negative impact on the software delivery performance. What should you do? (Choose two.)

- A. Replace the CAB with a senior manager to ensure continuous oversight from development to deployment.



- B. Let developers merge their own changes, but ensure that the team's deployment platform can roll back changes if any issues are discovered.
- C. Move to a peer-review based process for individual changes that is enforced at code check-in time and supported by automated tests.
- D. Batch changes into larger but less frequent software releases.
- E. Ensure that the team's development platform enables developers to get fast feedback on the impact of their changes.

Correct Answer: CE

To revise the change approval process and eliminate any negative impact on software delivery performance, you should consider the following approaches:

- C. Move to a peer-review based process for individual changes that is enforced at code check-in time and supported by automated tests: Implementing a peer-review process ensures that changes are reviewed by team members, which can catch issues early in the development process. Automated tests can provide additional confidence in the quality of changes. This approach encourages collaboration and reduces the need for a formal CAB.
 - E. Ensure that the team's development platform enables developers to get fast feedback on the impact of their changes: Fast feedback mechanisms, such as automated testing and continuous integration pipelines, allow developers to quickly identify and address issues with their changes. This reduces the need for a formal approval board like CAB and promotes a culture of ownership and responsibility among developers.
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QUESTION 4

You are ready to deploy a new feature of a web-based application to production. You want to use Google Kubernetes Engine (GKE) to perform a phased rollout to half of the web server pods.

What should you do?

- A. Use a partitioned rolling update.
- B. Use Node taints with NoExecute.
- C. Use a replica set in the deployment specification.
- D. Use a stateful set with parallel pod management policy.

Correct Answer: A

QUESTION 5

Your Cloud Run application writes unstructured logs as text strings to Cloud Logging. You want to convert the unstructured logs to JSON-based structured logs. What should you do?

- A. Modify the application to use Cloud Logging software development kit (SDK), and send log entries with a jsonPayload field.



- B. Install a Fluent Bit sidecar container, and use a JSON parser.
- C. Install the log agent in the Cloud Run container image, and use the log agent to forward logs to Cloud Logging.
- D. Configure the log agent to convert log text payload to JSON payload.

Correct Answer: D

<https://cloud.google.com/logging/docs/agent/logging/configuration#process-payload>

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