Congratulations! You passed!

Grade received 100%
To pass 60% or higher

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GKE Logging and Monitoring

Latest Submission Grade 100%

1. You are troubleshooting an issue which happened in the last hour. You execute the command 'kubectl logs --since=3h demo-pod'. However, the events you are looking for do not appear in the output. What is the likely cause? **1 / 1 point**

- ○ The log file contains more than 3 hours of data and it has been archived.
- ○ The log file is older than 2 hours and is not included in the results.
- ○ The file has been archived to Cloud Logging and is no longer available locally.
- ◉ The log file was greater than 100MB in size and it has been rotated.

Correct
That is correct.

2. You have a job that deploys a container that failed to run properly. How can you retrieve detailed information about the errors that happened inside the container? **1 / 1 point**

- ◉ Execute kubectl logs in the Cloud Shell.
- ○ Execute kubectl get logs in the Cloud Shell.
- ○ In the Cloud Console, view the GKE metrics in Cloud Monitoring.

- ◯ Execute kubectl describe in the Cloud Shell.

Correct
That is correct.

3. You have configured both a Readiness probe and Liveness probe for a critical application component. Shortly after the application has started, the Pod is running, but the Readiness probe is failing. What effect does this have on the application's Pods and Services? **1 / 1 point**

- ◯ The Service is disabled until the Readiness Probe succeeds.
- ◉ The Service will ignore the Pod until the Readiness Probe succeeds.
- ◯ The Pod will be restarted continuously until the Readiness Probe succeeds.
- ◯ Additional replica Pods are started until the Readiness Probe succeeds.

Correct
That is correct.

4. You need to monitor specific applications running on your production GKE Clusters. How should you create a logical structure for your application that allows you to selectively monitor the application's components using Cloud Monitoring? Choose all responses that are correct (2 correct responses). **1 / 1 point**

- ☐ Filter the Cloud Monitoring logs using the application prefix.
- ☐ Filter the Cloud Monitoring logs using the application name.
- ☑ Add Labels to the Pods in Kubernetes that identify the applications.

Correct

That is correct.

- [x] Filter the Cloud Monitoring logs using the Kubernetes labels.

Correct
That is correct.

- [ ] Add a prefix to all Pod names that identifies the application.

5. You are using a liveness probe to monitor the state of an application. You have recently updated the application and are concerned that the boot time is now longer than before. What value must you change in the YAML manifest file to ensure that the probe is not initiated before the application is ready? **1 / 1 point**

- ( ) spec.containers.livenessProbe.successThreshold.
- ( ) spec.containers.touch.sleep
- (•) spec.containers.livenessProbe.initialDelaySeconds.
- ( ) spec.containers.livenessProbe.periodSeconds.

Correct
That is correct.

6. You are unable to find any logs in Cloud Logging for an issue with a Pod that occurred 2 months ago. You know that events were logged at the time for this issue. Why can you no longer find these logs? **1 / 1 point**

- ( ) They have been exported to BigQuery.
- ( ) They have been exported to Cloud Storage.
- (•) They have been deleted by Cloud Logging.

◯ They have been archived by the Pod.

Correct
That is correct.