



- Expert Verified, Online, Free.

MENU

Google Discussions



Exam Associate Cloud Engineer All Questions

View all questions & answers for the Associate Cloud Engineer exam

[Go to Exam](#)

EXAM ASSOCIATE CLOUD ENGINEER TOPIC 1 QUESTION 252 DISCUSSION

Actual exam question from Google's Associate Cloud Engineer

Question #: 252

Topic #: 1

[\[All Associate Cloud Engineer Questions\]](#)

Your company developed an application to deploy on Google Kubernetes Engine. Certain parts of the application are not fault-tolerant and are allowed to have downtime. Other parts of the application are critical and must always be available. You need to configure a Google Kubernetes Engine cluster while optimizing for cost. What should you do?

- A. Create a cluster with a single node-pool by using standard VMs. Label the fault-tolerant Deployments as `spot_true`.
- B. Create a cluster with a single node-pool by using Spot VMs. Label the critical Deployments as `spot_false`.
- C. Create a cluster with both a Spot VM node pool and a node pool by using standard VMs. Deploy the critical deployments on the Spot VM node pool and the fault-tolerant deployments on the node pool by using standard VMs.
- D. Create a cluster with both a Spot VM node pool and a node pool by using standard VMs. Deploy the critical deployments on the node pool by using standard VMs and the fault-tolerant deployments on the Spot VM node pool.

[Show Suggested Answer](#)

by [shiowbah](#) at Dec. 30, 2023, 6:53 a.m.

Comments

Type your comment...

[Submit](#)

PiperMe 7 months, 3 weeks ago

Selected Answer: D

Correct answer is D.

upvoted 3 times

blackBeard33 8 months ago

Selected Answer: D

D is the right answer here. Spot Vms are fault-tolerant.

upvoted 3 times

JB28 9 months, 1 week ago

The correct answer is D. Create a cluster with both a Spot VM node pool and a node pool by using standard VMs. Deploy the critical deployments on the node pool by using standard VMs and the fault-tolerant deployments on the Spot VM node pool.

Here's why:

Spot VMs are cost-effective but can be preempted at any time, making them suitable for fault-tolerant parts of the application that can afford downtime.

Standard VMs, while more expensive, provide consistent availability and are ideal for critical parts of the application that must always be available.

By creating a cluster with both types of node pools, you can optimize for cost while ensuring the availability of critical application components.

upvoted 2 times

Cynthia2023 9 months, 3 weeks ago

Selected Answer: D

Spot VM Node Pool for Fault-Tolerant Parts: Spot VMs in GKE are cost-effective but can be preempted (terminated) by Google Cloud with little notice if their resources are needed elsewhere. They are suitable for workloads that can handle interruptions, like the fault-tolerant parts of your application.

Standard VM Node Pool for Critical Parts: Standard VMs offer more reliability and are not subject to preemption like Spot VMs. Using a standard VM node pool for the critical parts of your application ensures they remain available and are not disrupted by potential preemptions.

upvoted 3 times

kaby1987 9 months, 3 weeks ago

Selected Answer: D

Ans is D

upvoted 2 times

KelvinToo 9 months, 3 weeks ago

Selected Answer: C

Per ChatGPT, Option C aligns with the requirements of optimizing cost, ensuring fault tolerance for certain parts of the application, and maintaining high availability for critical parts by using a combination of Spot VM node pools and standard VM node pools in the same GKE cluster.

upvoted 1 times

ashiqnazeem 8 months, 3 weeks ago

@KelvinToo chatgpt answers are not always correct.

upvoted 2 times

dan12q 9 months, 3 weeks ago

Critical deployments is not fault-tolerant. Spot VM can restart after 24 hours.

upvoted 1 times

shiowbah 9 months, 3 weeks ago

D. Create a cluster with both a Spot VM node pool and a node pool by using standard VMs. Deploy the critical deployments on the node pool by using standard VMs and the fault-tolerant deployments on the Spot VM node pool.

upvoted 3 times

Start Learning for free

Social Media

[Facebook](#) , [Twitter](#)

[YouTube](#) , [Reddit](#)

[Pinterest](#)



We are the biggest and most updated IT certification exam material website.

Using our own resources, we strive to strengthen the IT professionals community for free.



© 2024 ExamTopics

ExamTopics doesn't offer Real Microsoft Exam Questions. ExamTopics doesn't offer Real Amazon Exam Questions.

ExamTopics Materials do not contain actual questions and answers from Cisco's Certification Exams.

CFA Institute does not endorse, promote or warrant the accuracy or quality of ExamTopics. CFA® and Chartered Financial Analyst® are registered trademarks owned by CFA Institute.

