

Google Discussions



**Exam Cloud Digital Leader All Questions**

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EXAM CLOUD DIGITAL LEADER TOPIC 1 QUESTION 8 DISCUSSION

Actual exam question from Google's Cloud Digital Leader

Question #: 8

Topic #: 1

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You are a program manager within a Software as a Service (SaaS) company that offers rendering software for animation studios. Your team needs the ability to allow scenes to be scheduled at will and to be interrupted at any time to restart later. Any individual scene rendering takes less than 12 hours to complete, and there is no service-level agreement (SLA) for the completion time for all scenes. Results will be stored in a global Cloud Storage bucket. The compute resources are not bound to any single geographical location. This software needs to run on Google Cloud in a cost-optimized way.

What should you do?

- A. Deploy the application on Compute Engine using preemptible instances
- B. Develop the application so it can run in an unmanaged instance group
- C. Create a reservation for the minimum number of Compute Engine instances you will use
- D. Start more instances with fewer virtual centralized processing units (vCPUs) instead of fewer instances with more vCPUs

Show Suggested Answer

by [shamg](#) at Jan. 3, 2022, 9:51 a.m.

Comments

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  **shamg** Highly Voted  2 years, 9 months ago

A for me -

Can be interrupted at any time to restart later, software needs to run on Google Cloud in a cost-optimized way

   upvoted 18 times

  **cookieMr** Highly Voted  1 year, 4 months ago

**Selected Answer: A**

Preemptible VMs are cost-effective instances that can be used for short-lived and non-critical workloads. Since the rendering of individual scenes takes less than 12 hours and can be interrupted and restarted, you can leverage preemptible VMs to perform the rendering tasks. Preemptible VMs are available at a significantly lower cost compared to regular instances but can be preempted by GCP with a 30-second notice. By designing your rendering workflow to handle interruptions gracefully, such as checkpointing and resuming, you can take advantage of the cost savings provided by preemptible VMs.

   upvoted 12 times

  **Swollenbadger** Most Recent  2 months ago

**Selected Answer: A**

I had no idea what to say, but chose A because "there is no service level agreement" and because preemptible instances are both cost-effective and would likely lend themselves well to a situation where support is limited.

   upvoted 1 times

  **Surek** 9 months, 4 weeks ago

Answer is A


   upvoted 1 times

  **Lakshvenkat** 10 months ago

**Selected Answer: A**


A is the correct answer

   upvoted 1 times

  **GCPHERO1234** 10 months, 2 weeks ago

A is correct



   upvoted 1 times

  **chai\_gpt** 11 months, 3 weeks ago

**Selected Answer: A**

A is correct

   upvoted 1 times

  **mdsarfraz69** 1 year, 1 month ago

**Selected Answer: A**

A is correct

   upvoted 1 times

  **zambonini** 1 year, 4 months ago

**Selected Answer: A**

Can be interrupted at any time to restart later.

   upvoted 1 times



  **Rafa\_M** 1 year, 6 months ago

**Selected Answer: A**

Answer A:

"Preemptible VM instances are available at much lower price—a 60-91% discount—compared to the price of standard VMs. However, Compute Engine might stop (preempt) these instances if it needs to reclaim the compute capacity for allocation to other VMs"



   upvoted 1 times

  **Sp4nner** 1 year, 6 months ago

**Selected Answer: A**

can be interrupted = preemptible

   upvoted 2 times

  **MHx1** 1 year, 7 months ago

**Selected Answer: A**

A - Instances with deep savings but at the cost of being interrupted

   upvoted 1 times

🗨️ 👤 **star2anand** 1 year, 7 months ago  
A. Deploy the application on Compute Engine using preemptible instances

👍 ↩️ 🚩 upvoted 1 times

🗨️ 👤 **gviolant** 1 year, 9 months ago

**Selected Answer: A**

Preemptible VMs are highly affordable, short-lived compute instances suitable for batch jobs and fault-tolerant workloads. Preemptible VMs offer the same machine types and options as regular compute instances and last for up to 24 hours.

👍 ↩️ 🚩 upvoted 1 times

🗨️ 👤 **ucsdmiami2020** 1 year, 10 months ago

**Selected Answer: A**

Per Google docs, "Preemptible VM instances are available at much lower price—a 60-91% discount—compared to the price of standard VMs. However, Compute Engine might stop (preempt) these instances if it needs to reclaim the compute capacity for allocation to other VMs"

[https://cloud.google.com/compute/docs/instances/preemptible#what\\_is\\_a\\_preemptible\\_instance](https://cloud.google.com/compute/docs/instances/preemptible#what_is_a_preemptible_instance)

👍 ↩️ 🚩 upvoted 1 times

🗨️ 👤 **Pou1ze** 1 year, 10 months ago

**Selected Answer: A**

12h ok, is compatible with the restart time planned for preemptible VMs (24H), and also unpredictable stop of VMs

👍 ↩️ 🚩 upvoted 1 times

🗨️ 👤 **allannvictor** 2 years, 1 month ago

**Selected Answer: A**

A in my opiniion

👍 ↩️ 🚩 upvoted 2 times

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