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📄 **EXAM ASSOCIATE CLOUD ENGINEER TOPIC 1 QUESTION 150 DISCUSSION**

Actual exam question from Google's Associate Cloud Engineer

Question #: 150

Topic #: 1

[All Associate Cloud Engineer Questions]

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You have a batch workload that runs every night and uses a large number of virtual machines (VMs). It is fault-tolerant and can tolerate some of the VMs being terminated. The current cost of VMs is too high. What should you do?

A. Run a test using simulated maintenance events. If the test is successful, use preemptible N1 Standard VMs when running future jobs.

B. Run a test using simulated maintenance events. If the test is successful, use N1 Standard VMs when running future jobs.

C. Run a test using a managed instance group. If the test is successful, use N1 Standard VMs in the managed instance group when running future jobs.

D. Run a test using N1 standard VMs instead of N2. If the test is successful, use N1 Standard VMs when running future jobs.

Show Suggested Answer

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by 👤 MohammedGhouse at *Aug. 12, 2020, 10:28 a.m.*

*Comments*

Type your comment...

**ESP_SAP** *Highly Voted* 👍 4 years, 2 months ago

Correct Answer is (A):

Creating and starting a preemptible VM instance
This page explains how to create and use a preemptible virtual machine (VM) instance. A preemptible instance is an instance you can create and run at a much lower price than normal instances. However, Compute Engine might terminate (preempt) these instances if it requires access to those resources for other tasks. Preemptible instances will always terminate after 24 hours. To learn more about preemptible instances, read the preemptible instances documentation.

Preemptible instances are recommended only for fault-tolerant applications that can withstand instance preemptions. Make sure your application can handle preemptions before you decide to create a preemptible instance. To understand the risks and value of preemptible instances, read the preemptible instances documentation.

https://cloud.google.com/compute/docs/instances/create-start-preemptible-instance

👍 ↩ 🚩 upvoted 42 times

**MohammedGhouse** *Highly Voted* 👍 4 years, 2 months ago

A: is the answer

👍 ↩ 🚩 upvoted 16 times

   **SSPC** 4 years, 2 months ago

   "A" is correct

   👍 ↩ 🚩 upvoted 3 times

   **juliandm** 4 years, 2 months ago

   What about a mixture of preemptible N1 and normal N1 instances? i can't believe just having preemptible is a good practice

   👍 ↩ 🚩 upvoted 1 times

      **Ale1973** 4 years, 1 month ago

      Good point, in real-world your solution, is the best. For this scenario, the answer is A.

      👍 ↩ 🚩 upvoted 8 times

**akhun** *Most Recent* ⊙ 1 year, 8 months ago

*Selected Answer: A*

It is specific on Batch workload , runs in less than 24 hrs, is fault tolerant. The best candidate for this is job is a preemptible VM

👍 ↩ 🚩 upvoted 5 times

**Pr44** 1 year, 11 months ago

*Selected Answer: A*

Preemptible to save cost and even it is fault tolerant

👍 ↩ 🚩 upvoted 3 times

**Charumathi** 2 years ago

*Selected Answer: A*

A is correct, preemptible VMs reduce cost, and this is recommended to run batch jobs which run less than 24 hours

👍 ↩ 🚩 upvoted 1 times

**gcpreviewer** 2 years ago

*Selected Answer: A*

I Vote A as it is clearly correct. Whenever something runs in under 24 hours and is fault tolerant we should be looking at preemptible VMs to save costs.
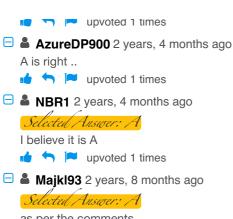
👍 ↩ 🚩 upvoted 1 times

**ccieman2016** 2 years, 1 month ago

*Selected Answer: A*

A is correct

👍 ↩ 🚩 upvoted 1 times

**gcpj** 2 years, 3 months ago

*Selected Answer: A*

Answer should be A: preemptible VM instances. Because the workload is fault-tolerant and can tolerate some of the VMs being terminated.

upvoted 1 times

**AzureDP900** 2 years, 4 months ago

A is right ..

upvoted 1 times

**NBR1** 2 years, 4 months ago

*Selected Answer: A*

I believe it is A

upvoted 1 times

**Majkl93** 2 years, 8 months ago

*Selected Answer: A*

as per the comments

upvoted 1 times

**maggieli** 2 years, 11 months ago

I vote A. Preempt VM can costdown more.

upvoted 2 times

**vamgcp** 3 years ago

A is correct because preemptible VMs can provide up to 80% discount over normal VMs if the workloads are fault-tolerant

upvoted 2 times

**AD_0525** 3 years, 4 months ago

Keyword- Fault tolerant, so answer should be pre emptible VMs, option A

upvoted 2 times

**GCP_Student1** 3 years, 7 months ago

A. Run a test using simulated maintenance events. If the test is successful, use preemptible N1 Standard VMs when running future jobs

upvoted 3 times

**swatititame** 3 years, 11 months ago

• A. Run a test using simulated maintenance events. If the test is successful, use preemptible N1 Standard VMs when running future jobs.

upvoted 2 times

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