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EXAM ASSOCIATE CLOUD ENGINEER TOPIC 1 QUESTION 44 DISCUSSION

Actual exam question from Google's Associate Cloud Engineer

Question #: 44

Topic #: 1

[All Associate Cloud Engineer Questions]

You need to select and configure compute resources for a set of batch processing jobs. These jobs take around 2 hours to complete and are run nightly. You want to minimize service costs. What should you do?

A. Select Google Kubernetes Engine. Use a single-node cluster with a small instance type.

B. Select Google Kubernetes Engine. Use a three-node cluster with micro instance types.

C. Select Compute Engine. Use preemptible VM instances of the appropriate standard machine type.

D. Select Compute Engine. Use VM instance types that support micro bursting.

Show Suggested Answer

by   vnxt at *May 3, 2020, 5:27 a.m.*

Comments

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gcper `Highly Voted` 4 years ago

As everyone has said the answer is C but here is the source for the information. "For example, batch processing jobs can run on preemptible instances. If some of those instances stop during processing, the job slows but does not completely

run on preemptible instances. If some of those instances stop during processing, the job slows but does not completely stop. Preemptible instances complete your batch processing tasks without placing additional workload on your existing instances and without requiring you to pay full price for additional normal instances."

srouce: https://cloud.google.com/compute/docs/instances/preemptible

upvoted 63 times

vnxt `Highly Voted` 4 years, 5 months ago

I woud say C is the correct answer

upvoted 29 times

subha.elumalai `Most Recent` 5 months ago

Correct Answer: C

upvoted 1 times

Captain1212 1 year, 1 month ago

`Selected Answer: C`

c is the correct answer, use preemptible for the compute engine

upvoted 1 times

Buruguduystunstugudunstuy 1 year, 8 months ago

`Selected Answer: C`

ANSWER C. Select Compute Engine. Use preemptible VM instances of the appropriate standard machine type.

Preemptible VM instances offer the lowest cost for batch processing jobs in the Google Cloud Platform. Preemptible VM instances are computed instances that can run for a maximum of 24 hours and provide no availability guarantees. Preemptible VM instances are up to 80% cheaper than standard compute instances, making them an excellent choice for batch-processing workloads that can be interrupted.

The small instance type in a single-node cluster (ANSWER A) would not provide enough resources for batch processing jobs, and the micro instance types in a three-node cluster (ANSWER B) may not provide enough resources for the batch processing jobs to complete within the allotted time. VM instance types that support micro-bursting (ANSWER D) may not provide enough sustained CPU performance to complete batch processing jobs within the desired time frame.

upvoted 7 times

RAVI321 2 years, 1 month ago

batch processing jobs can run on preemptible instances. if some of those instances stop during processing, the job slows but does not completely stop. preemptible instances camplete your batch processing tasks without placing additional worklods on your existing instances and without requring you to pay full price for additional normal instances"

upvoted 3 times

RAVI321 2 years, 2 months ago

hey guys tell me one important thing i am learning GCP but did not get anything i mean whatever you guys are discussing in this forum

upvoted 3 times

shykot 1 year, 10 months ago

as you said you are learning, it takes time to master

upvoted 2 times

AzureDP900 2 years, 4 months ago

C is right .

If your apps are fault-tolerant and can withstand possible instance preemptions, then preemptible instances can reduce your Compute Engine costs significantly. For example, batch processing jobs can run on preemptible instances. If some of those instances stop during processing, the job slows but does not completely stop. Preemptible instances complete your batch processing tasks without placing additional workload on your existing instances and without requiring you to pay full price for additional normal instances.

upvoted 3 times

sedado77 2 years, 4 months ago

`Selected Answer: C`

Yup, C for batch and cost

upvoted 3 times

haroldbenites 2 years, 4 months ago

Go for C

upvoted 1 times

haroldbenites 2 years, 4 months ago

Go for C

upvoted 1 times

ruben82 2 years, 9 months ago

I read that C is the right answer, but the question doesn't say that batch can be stopped and restarted.

upvoted 3 times

VijaySrinivasan 2 years, 8 months ago

Batch will not be stopped and load will be shifted to another instances.

upvoted 1 times

vishnukumartr 2 years, 11 months ago

C. Select Compute Engine. Use preemptible VM instances of the appropriate standard machine type.

upvoted 3 times

Jaira1256 2 years, 11 months ago

Ans is C

upvoted 3 times

beginnercloud 3 years, 1 month ago

C - corectly

upvoted 2 times

dc2016bte0006 3 years, 4 months ago

Option C is the correct answer

upvoted 3 times

mcaromit 3 years, 5 months ago

C is correct...For cost-saving & not immediate fault-tolerant workloads like batch jobs use Preemptible VM instances

upvoted 1 times

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