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? EXAM ASSOCIATE CLOUD ENGINEER TOPIC 1 QUESTION 49 DISCUSSION

Actual exam question from Google's Associate Cloud Engineer

Question #: 49

Topic #: 1

[All Associate Cloud Engineer Questions]

You have a virtual machine that is currently configured with 2 vCPUs and 4 GB of memory. It is running out of memory. You want to upgrade the virtual machine to have 8 GB of memory. What should you do?

A. Rely on live migration to move the workload to a machine with more memory.

B. Use gcloud to add metadata to the VM. Set the key to required-memory-size and the value to 8 GB.

C. Stop the VM, change the machine type to n1-standard-8, and start the VM.

D. Stop the VM, increase the memory to 8 GB, and start the VM.

Show Suggested Answer

by ? coldpar at *March 15, 2020, 11:07 p.m.*

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? ? **cesar7816** **Highly Voted** ? 4 years, 7 months ago

coldpar, why are you getting the people confused? you need to stop teh VM and modify the RAM, that's all

? ? ? upvoted 65 times

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iambatmanadarkknight 3 years ago

who is coldpar

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spatidar2711 2 years, 3 months ago

He deleted his comment

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chikorita 1 year, 6 months ago

i dont think we can delete our comments

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CarlS `Highly Voted` 4 years, 6 months ago

D is correct. If you pay attention to the question, option C mentions n1-standard-8. That instance type has 8vCPUs and 30 GB RAM, and we only need 8GB. On top of that, it is possible to use custom machine type to adjust current VM RAM to the value we need. Got the answer from this course I did to prepare the exam: https://www.udemy.com/course/google-cloud-associate-engineer-exam-practice-tests/?couponCode=21CDE6A4C2B95F79BD97
good luck!

upvoted 44 times

Veera_Venkata_Satyanarayana 2 years, 3 months ago

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Captain1212 `Most Recent` 1 year, 1 month ago

Selected Answer: D

D is the correct answer

upvoted 1 times

gpais 1 year, 2 months ago

You can add extended memory only to custom machine types. Predefined machine types are not supported.

upvoted 2 times

samrat46 1 year, 7 months ago

D is correct.
C.n1 standard8 has 30GB RAM.
A&B- No vm instance stop, Hence can't be updated.

upvoted 2 times

Buruguduystunstugudunstuy 1 year, 8 months ago

Selected Answer: D

ANSWER D is correct because it is the correct process to follow to increase the memory of a virtual machine in the Google Cloud Platform.

To increase the memory of a virtual machine, you need to first stop the VM, since it is not possible to modify the memory of a running VM. Then, you can increase the memory of the VM by editing the machine type and selecting a machine type with more memory. Once you have made the change, you can start the VM again.

ANSWER A is not the best approach as it relies on live migration which can be a risky operation.

ANSWER B is incorrect because adding metadata to the VM will not change the amount of memory allocated to the VM.

ANSWER C is incorrect because changing the machine type to n1-standard-8 would also increase the number of vCPUs to 8, which may not be necessary and could result in overprovisioning of resources. In addition, changing the machine type would also affect the cost of the VM instance, which may not be desired. Since the primary concern in this scenario is to increase memory.

upvoted 16 times

cslince 1 year, 10 months ago

Selected Answer: D

Option D

upvoted 1 times

leogor 1 year, 12 months ago

Selected Answer: D

C is incorrect because the 8 in "n1-standard-8" means 8 cpus instead of 8 gb of ram

upvoted 2 times

santhu1039 2 years, 2 months ago

D is right one

upvoted 1 times

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haroldbenites 2 years, 4 months ago

Go for D

upvoted 1 times

ChiefArch 2 years, 6 months ago

The reason A is not correct is because live migration simply moves an existing VM between hosts, no attributes or properties are changed otherwise. Hence, you cannot live migrate from 1 VM type to another.
https://cloud.google.com/compute/docs/instances/live-migration

upvoted 5 times

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mchaconr 2 years, 10 months ago

To be exact... There is no "n1" option that has 2vCPU and 4GB. The closest would be n1-standard-2 with 2vCPU and 7.50GB RAM. This machine is already custom. So, option D.

upvoted 2 times

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vishnukumartr 2 years, 11 months ago

D. Stop the VM, increase the memory to 8 GB, and start the VM.

upvoted 5 times

Jaira1256 2 years, 11 months ago

Ans - D

upvoted 1 times

Gpjha 3 years, 2 months ago

We do not have the option to increase memory in GCP VM directly. Instead, machine type needs to be changed. However, given the choices, D is the best answer here.

upvoted 2 times

YAS007 3 years, 2 months ago

D is correct
https://cloud.google.com/compute/docs/instances/creating-instance-with-custom-machine-type#add_extended_memory_to_an_existing_vm_instance

upvoted 4 times

Umesh09 3 years, 4 months ago

why do we want to stop the VM when live migration is an option I would go for Option A

upvoted 4 times

> **YAS007** 3 years, 3 months ago
>
> I don't find how to manually initiate a live migration, its apparently a google managed process
>
> upvoted 1 times

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