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Exam Associate Cloud Engineer All Questions

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EXAM ASSOCIATE CLOUD ENGINEER TOPIC 1 QUESTION 121 DISCUSSION

Actual exam question from Google's Associate Cloud Engineer

Question #: 121

Topic #: 1

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Your managed instance group raised an alert stating that new instance creation has failed to create new instances. You need to maintain the number of running instances specified by the template to be able to process expected application traffic. What should you do?

- A. Create an instance template that contains valid syntax which will be used by the instance group. Delete any persistent disks with the same name as instance names.
- B. Create an instance template that contains valid syntax that will be used by the instance group. Verify that the instance name and persistent disk name values are not the same in the template.
- C. Verify that the instance template being used by the instance group contains valid syntax. Delete any persistent disks with the same name as instance names. Set the disks.autoDelete property to true in the instance template.
- D. Delete the current instance template and replace it with a new instance template. Verify that the instance name and persistent disk name values are not the same in the template. Set the disks.autoDelete property to true in the instance template.

Show Suggested Answer

by [DarioFama23](#) at July 7, 2020, 7:49 a.m.

Comments

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TAvenger Highly Voted 3 years, 8 months ago

Really tricky question.

Ideal scenario would be

1. create new template, while creating ensure that in the new template disks.autoDelete=true, 3. delete existing persistent disks, 4. make rolling update ...

In order to switch to new template we need "Rolling update". Unfortunately, it is not mentioned.

With current options

C - not correct, we cannot update existing template

D - not correct, we cannot delete existing template when it is in use (just checked in GCP) (We need rolling update)

B - will not solve our problem without Rolling update

A - This is the only option (I know that it can be temporary) that will work without Rolling update according to

<https://cloud.google.com/compute/docs/troubleshooting/troubleshooting-migs>

upvoted 60 times

ovokpus 1 year ago

C - you were not told to update existing template. You were told to verify the syntax is correct.

upvoted 2 times

ShakthiGCP 3 years, 7 months ago

Well reasoned. I'm also going with A.

upvoted 2 times

FunkyB 1 year, 9 months ago

Thank you for providing the link.

upvoted 2 times

ESP_SAP Highly Voted 4 years, 2 months ago

Correct Answer is (C):

Your instance template has set the disks.autoDelete option to false for boot persistent disks so that when a VM has been deleted (for example, because of autohealing), the persistent disk was not deleted. When the managed instance group attempted to recreate the VM with the same name, it ran into the same issue where a persistent disk already exists with the same name. Delete the existing persistent disk to resolve the immediate problem and update the instance template to set the disks.autoDelete to true if you would like boot persistent disks to be deleted alongside the instance

<https://cloud.google.com/compute/docs/instance-groups/creating-groups-of-managed-instances#troubleshooting>

upvoted 44 times

magistrum 3 years, 9 months ago

Can't update instance templates, see below

upvoted 19 times

JackGlemins 3 years, 7 months ago

https://cloud.google.com/compute/docs/instance-templates#how_to_update_instance_templates

upvoted 12 times

master9 Most Recent 1 month, 1 week ago

Selected Answer: C

Ensure the template is valid.

Persistent disk naming: Avoid naming disks the same as instances.

Automatic deletion: Set disks.autoDelete to true in the template for automatic disk removal.

upvoted 1 times

ccpmad 4 months, 4 weeks ago

Is not C

"Instance templates are designed to create instances with identical configurations. So you cannot update an existing instance template or change an instance template after you create it."

https://cloud.google.com/compute/docs/instance-templates#how_to_update_instance_templates

upvoted 2 times

bubidubi 8 months, 1 week ago

I have no idea and looking at options and explanations from everyone here A, C or D could be the answers

I have no idea and looking at options and explanations from everyone here A, C or D could be the answers. I thought it was D personally, but all answers seem to not make any sense. Usually you can discard one or 2, but here all are the same to me.

upvoted 1 times

vshngpl007_2 1 year ago

Selected Answer: A

All questions are from here.

upvoted 1 times

DannSecurity 1 year, 1 month ago

correct answer is C. It is not updating an instance template, just validate the syntax. The same instance template was working before, so why would you need to edit it? the issue should be in the disk name.

upvoted 1 times

scanner2 1 year, 1 month ago

Selected Answer: A

Correct answer is A : Create an instance template that contains valid syntax which will be used by the instance group. Delete any persistent disks with the same name as instance names.

upvoted 2 times

xaqanik 1 year, 8 months ago

why we dont prefer option B? it says be sure names are different. but option A deletes discs. if we can change names why to delete them?

upvoted 1 times

Kopy 1 year, 11 months ago

Selected Answer: A

Answer is A

As many have mentioned here C and D is straight NO, C talks about updating the instance template and D talks about deleting an instance template BUT as per google documentation you cannot delete an instance template nor update it if it is in use. So A is the only one the makes sense here.

https://cloud.google.com/compute/docs/instance-templates#how_to_update_instance_templates

upvoted 3 times

Untamables 1 year, 12 months ago

Selected Answer: C

Vote C

<https://cloud.google.com/compute/docs/troubleshooting/troubleshooting-migs>

<https://cloud.google.com/sdk/gcloud/reference/compute/instances/set-disk-auto-delete>

upvoted 2 times

sneha1607 2 years, 1 month ago

C is the correct answer.

1. Ensure you don't have any persistent disks with the same name as the VM instance.
2. Ensure the disk autodelete property is turned on (disks.autoDelete set to true).
3. Ensure instance template syntax is valid

upvoted 1 times

sneha1607 2 years, 1 month ago

As described in this article, "My managed instance group keeps failing to create a VM. What's going on?"

<https://cloud.google.com/compute/docs/instance-groups/creating-groups-of-managed-instances#troubleshooting>

upvoted 1 times

bobthebuilder55110 2 years, 2 months ago

Selected Answer: A

Answer : A

As many have mentioned here C and D is straight NO, C talks about updating the instance template and D talks about deleting an instance template BUT as per google documentation you cannot delete an instance template nor update it if it is in use. So A is the only one the makes sense here.

https://cloud.google.com/compute/docs/instance-templates#how_to_update_instance_templates

upvoted 5 times

gscharly 2 years, 2 months ago

Selected Answer: A

Correct answer is A

You don't have the option to edit an existing instance.

upvoted 1 times

rdumitru 2 years, 3 months ago

Selected Answer: A

Correct answer is A

You don't have the option to edit an existing instance.

upvoted 1 times

Bumbah 2 years, 3 months ago

Selected Answer: A

You cannot update a template, need to create a new one.

upvoted 1 times

patashish 2 years, 3 months ago

A is correct answer. [Instance template resources are immutable in GCP.]

How to update instance templates

Instance templates are designed to create instances with identical configurations. So you cannot update an existing instance template or change an instance template after you create it.

If you need to make changes to the configuration, create a new instance template. You can create a template based on an existing instance template, or based on an existing instance. You can also override instance template fields when creating a VM instance from an instance template.

Ref : [https://cloud.google.com/compute/docs/instance-](https://cloud.google.com/compute/docs/instance-templates#:~:text=So%20you%20cannot%20update%20an,based%20on%20an%20existing%20instance.)

templates#:~:text=So%20you%20cannot%20update%20an,based%20on%20an%20existing%20instance.

upvoted 2 times

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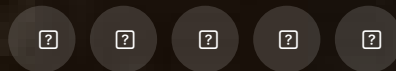
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