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Exam Associate Cloud Engineer Questions

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EXAM ASSOCIATE CLOUD ENGINEER TOPIC 1 QUESTION 43 DISCUSSION

Actual exam question from Google's Associate Cloud Engineer

Question #: 43

Topic #: 1

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You are running an application on multiple virtual machines within a managed instance group and have autoscaling enabled. The autoscaling policy is configured so that additional instances are added to the group if the CPU utilization of instances goes above 80%. VMs are added until the instance group reaches its maximum limit of five VMs or until CPU utilization of instances lowers to 80%. The initial delay for HTTP health checks against the instances is set to 30 seconds.

The virtual machine instances take around three minutes to become available for users. You observe that when the instance group autoscales, it adds more instances than necessary to support the levels of end-user traffic. You want to properly maintain instance group sizes when autoscaling. What should you do?

- A. Set the maximum number of instances to 1.
- B. Decrease the maximum number of instances to 3.
- C. Use a TCP health check instead of an HTTP health check.
- D. Increase the initial delay of the HTTP health check to 200 seconds.

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by [berezinsn](#) at May 25, 2020, 11:10 a.m.

Comments

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ac891 **Highly Voted** 12 months ago

I think exam will be ended by the time you finish reading the question
upvoted 30 times

berezinsn **Highly Voted** 4 years, 5 months ago

D is correct answer.
upvoted 24 times

subha.elumalai **Most Recent** 5 months ago

Correct Answer: D
upvoted 1 times

Captain1212 1 year, 1 month ago

Selected Answer:

D is more correct because it gives you time to check the available instance
upvoted 1 times

Ashish_Tayal 1 year, 6 months ago

Selected Answer:

First Health check must be done after proper boot of VM.
upvoted 4 times

Partha117 1 year, 7 months ago

Selected Answer:

Increase delay to check all instances are available
upvoted 2 times

Buruguduystunstugudunstuy 1 year, 8 months ago

Selected Answer:

Answer D is the correct solution to maintain instance group sizes when autoscaling.

When autoscaling is enabled, new instances are added based on a metric or metrics (such as CPU utilization) when certain thresholds are met. When adding new instances, it is important to ensure that only the necessary number of instances are added to the instance group and that the group size is properly maintained to prevent overprovisioning and unnecessary costs.

In this scenario, the instance group is adding more instances than necessary when autoscaling due to the initial delay of HTTP health checks. Increasing the initial delay to 200 seconds will ensure that the health check properly reflects the actual availability of the instances and prevent overprovisioning.

Answers A and B limit the maximum number of instances, which could cause issues when scaling to support higher levels of end-user traffic.

Answer C suggests using a TCP health check instead of an HTTP health check, but it does not address the issue of overprovisioning when autoscaling.
upvoted 8 times

leogor 1 year, 12 months ago

Selected Answer:

Increase the initial delay
upvoted 1 times

ale_brd_111 2 years, 1 month ago

Selected Answer:

D is correct answer.
upvoted 1 times

abirroy 2 years, 2 months ago

Selected Answer:

Increase initial delay
upvoted 1 times

GouseBasha 2 years, 3 months ago

D is correct one

D is correct one

upvoted 1 times

AzureDP900 2 years, 4 months ago

D is more appropriate for this question

upvoted 1 times

haroldbenites 2 years, 4 months ago

Go for D

upvoted 1 times

haroldbenites 2 years, 4 months ago

Go for D

upvoted 1 times

Ram_krishna 2 years, 7 months ago

Selected Answer:

logically first 3 options are out of context, so d is right

upvoted 2 times

vishnukumartr 2 years, 11 months ago

D. Increase the initial delay of the HTTP health check to 200 seconds.

upvoted 2 times

Jaira1256 2 years, 11 months ago

Ans is D

upvoted 1 times

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