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EXAM ASSOCIATE CLOUD ENGINEER TOPIC 1 QUESTION 224 DISCUSSION

Actual exam question from Google's Associate Cloud Engineer

Question #: 224

Topic #: 1

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You want to host your video encoding software on Compute Engine. Your user base is growing rapidly, and users need to be able to encode their videos at any time without interruption or CPU limitations. You must ensure that your encoding solution is highly available, and you want to follow Google-recommended practices to automate operations. What should you do?

- A. Deploy your solution on multiple standalone Compute Engine instances, and increase the number of existing instances when CPU utilization on Cloud Monitoring reaches a certain threshold.
- B. Deploy your solution on multiple standalone Compute Engine instances, and replace existing instances with high-CPU instances when CPU utilization on Cloud Monitoring reaches a certain threshold.
- C. Deploy your solution to an instance group, and increase the number of available instances whenever you see high CPU utilization in Cloud Monitoring.
- D. Deploy your solution to an instance group, and set the autoscaling based on CPU utilization.

[Show Suggested Answer](#)

by [gpais](#) at Aug. 2, 2023, 2:16 p.m.

Comments

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scanner2 **Highly Voted** 1 year, 1 month ago

Selected Answer: D

The answer is D.

You can create a managed instance group with autoscaling enabled based on CPU utilization. This way appropriate number of instances can be added or removed based on the CPU metrics.

<https://cloud.google.com/compute/docs/instance-groups/create-mig-with-basic-autoscaling>

<https://cloud.google.com/sdk/gcloud/reference/compute/instance-groups/managed/set-autoscaling>

upvoted 6 times

MFay **Most Recent** 8 months, 4 weeks ago

Selected Answer: D

D is the correct

upvoted 2 times

Akinzoa 10 months ago

D is the correct answer!

upvoted 1 times

VijKall 11 months, 3 weeks ago

Selected Answer: D

Answer is D.

MIG with scaling using CPU utilization.

upvoted 2 times

Captain1212 1 year, 1 month ago

D seems more correct, just set the autoscaling based on the CPU utilization

upvoted 2 times

Jerica_ 1 year, 2 months ago

Selected Answer: D

D seems most appropriate

upvoted 1 times

3arle 1 year, 2 months ago

Selected Answer: D

definitely D

upvoted 2 times

gpais 1 year, 2 months ago

Selected Answer: D

<https://cloud.google.com/sdk/gcloud/reference/compute/instance-groups/managed/set-autoscaling>

upvoted 4 times

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