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EXAM ASSOCIATE CLOUD ENGINEER TOPIC 1 QUESTION 147 DISCUSSION

Actual exam question from Google's Associate Cloud Engineer

Question #: 147

Topic #: 1

[All Associate Cloud Engineer Questions]

You are hosting an application from Compute Engine virtual machines (VMs) in us`"central1`"a. You want to adjust your design to support the failure of a single
Compute Engine zone, eliminate downtime, and minimize cost. What should you do?

A. ג€" Create Compute Engine resources in usג€"central1ג€"b. ג€" Balance the load across both usג€"central1ג€"a and usג€"central1ג€"b.

B. ג€" Create a Managed Instance Group and specify usג€"central1ג€"a as the zone. ג€" Configure the Health Check with a short Health Interval.

C. ג€" Create an HTTP(S) Load Balancer. ג€" Create one or more global forwarding rules to direct traffic to your VMs.

D. ג€" Perform regular backups of your application. ג€" Create a Cloud Monitoring Alert and be notified if your application becomes unavailable. ג€" Restore from backups when notified.

Show Suggested Answer

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by victory108 at *March 13, 2021, 11:11 a.m.*

Comments

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GCP_Student1 `Highly Voted` 3 years, 7 months ago

A. Create Compute Engine resources in us "central1 "b. " Balance the load across both us "central1"a and us "central1"b.

upvoted 17 times

obeythefist `Highly Voted` 2 years, 7 months ago

This seems straightforward. "A" is the only answer that involves putting instances in more than one zone!

A. Yes, creating instances in another zone and balancing the loads will fix this problem
B. Wrong. This keeps all the instances in one zone, but the question says we want to protect against zone failures.
C. Wrong. This keeps all the instances in one zone, but the question says we want to protect against zone failures.
D. Wrong. This keeps all the instances in one zone, but the question says we want to protect against zone failures.

upvoted 13 times

accd3fd `Most Recent` 6 months ago

the Answer is B. the 2 Main ask are 1. Single Zone and Minimizes Cost

option B is a cost-effective solution that can provide high availability within a single zone. By creating a Managed Instance Group in us-central1-a and configuring a Health Check with a short Health Interval, you can ensure that if one instance becomes unavailable, the Managed Instance Group will automatically create a new instance to replace it. This can help minimize downtime and ensure that your application remains available within the us-central1-a zone.

upvoted 1 times

   ccpmad 4 months, 4 weeks ago

   No, it is not B.

   upvoted 1 times

Captain1212 1 year, 1 month ago

`Selected Answer: A`

A seems more right as it help with the Zone failure, all other create the same in same zone

upvoted 3 times

DrLegendgun 1 year, 6 months ago

`Selected Answer: A`

The Answer is B

upvoted 1 times

Angel_99 2 years, 2 months ago

`Selected Answer: A`

A is best option

upvoted 1 times

abirroy 2 years, 2 months ago

`Selected Answer: A`

A is the best option

upvoted 2 times

AzureDP900 2 years, 4 months ago

A is fine.

upvoted 1 times

[Removed] 2 years, 8 months ago

Option A.
Create VMs across more than one region and zone so that you have alternative VMs to point to if a zone or region containing one of your VMs is disrupted. If you host all your VMs in the same zone or region, you won't be able to access any of those VMs if that zone or region becomes unreachable.
https://cloud.google.com/compute/docs/tutorials/robustsystems#distribute

upvoted 3 times

Ridhanya 2 years, 10 months ago

A is correct because we have to eliminate single zone failure problem

upvoted 1 times

Gianfry 2 years, 10 months ago

Why not "B" selecting "Regional (multi zone)" ?
"Regional (multiple zone) coverage. Regional MIGs let you spread app load across multiple zones. This replication protects against zonal failures. If that happens, your app can continue serving traffic from instances running in the remaining

available zones in the same region."
https://cloud.google.com/compute/docs/instance-groups/

☐ ☐ ☐ upvoted 4 times

☐ ☐ **kimharsh** 2 years, 10 months ago

it should be B , but because it specify the one Zone we can't pick this answer , the closest other option is A

☐ ☐ ☐ upvoted 1 times

☐ ☐ **arsh1916** 3 years, 5 months ago

A is best option

☐ ☐ ☐ upvoted 6 times

☐ ☐ **mj98** 3 years, 6 months ago

Can someone explain how A?

☐ ☐ ☐ upvoted 2 times

☐ ☐ **jabrrJ68w02ond1** 2 years, 11 months ago

Other options do not prepare you for zonal outages

☐ ☐ ☐ upvoted 1 times

☐ ☐ **tifo16** 3 years, 6 months ago

in order to remediate to the problem of single point of failure, we have to replicate VMs within multiple zones. Only A choice consider this concern

☐ ☐ ☐ upvoted 10 times

☐ ☐ **nzexamtopics** 3 years, 6 months ago

A? Really? how?

☐ ☐ ☐ upvoted 1 times

☐ ☐ **NARWAL** 3 years, 6 months ago

A is correct.

☐ ☐ ☐ upvoted 4 times

☐ ☐ **victory108** 3 years, 7 months ago

A - ג€" Create Compute Engine resources in usג€"central1ג€"b. ג€" Balance the load across both usג€"central1ג€"a and usג€"central1ג€"b.
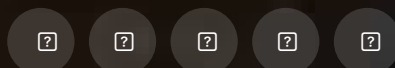
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