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Exam Associate Cloud Engineer All Questions

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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. λ €" Create Compute Engine resources in us λ €"central1 λ €"b. λ €" Balance the load across both us λ €"central1 λ €"a and us λ €"central1 λ €"b.
- B. *λ*€" Create a Managed Instance Group and specify us*λ*€"central1*λ*€"a as the zone. *λ*€" Configure the Health Check with a short Health Interval.
- C. *λ*€" Create an HTTP(S) Load Balancer. *λ*€" Create one or more global forwarding rules to direct traffic to your VMs.
- D. $\lambda \in$ " Perform regular backups of your application. $\lambda \in$ " Create a Cloud Monitoring Alert and be notified if your application becomes unavailable. $\lambda \in$ " Restore from backups when notified.

Show Suggested Answer

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

Comments

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S	ubmit
	 ? GCP_Student1 Highly Voted ② 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 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
[2]	? 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 yellow to point to if a zone or region containing to a zone or region, you won't be able to access any of those VMs if that zone or region becomes unreachable.
?	Pidhanya 2 years, 10 months ago
	A is correct because we have to eliminate single zone failure problem
	? ? upvoted 1 times

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

? Gianfry 2 years, 10 months ago

 ? ? windersh 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 - xe* Create Compute Engine resources in usxe* central1xe*b. xe* Balance the load across both usxe* central1xe*b. ? ? y upvoted 2 times 	available zones in the same region." https://cloud.google.com/compute/docs/instance-groups/	5	
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