

EXAMTOPICS

- Expert Verified, Online, Free.

≡ MENU



🔍 Google Discussions



Exam Cloud Digital Leader All Questions

View all questions & answers for the Cloud Digital Leader exam

Go to Exam

EXAM CLOUD DIGITAL LEADER TOPIC 1 QUESTION 6 DISCUSSION

Actual exam question from Google's Cloud Digital Leader

Question #: 6

Topic #: 1

[\[All Cloud Digital Leader Questions\]](#)

Your organization runs a distributed application in the Compute Engine virtual machines. Your organization needs redundancy, but it also needs extremely fast communication (less than 10 milliseconds) between the parts of the application in different virtual machines.

Where should your organization locate this virtual machines?

- A. In a single zone within a single region
- B. In different zones within a single region
- C. In multiple regions, using one zone per region
- D. In multiple regions, using multiple zones per region

Show Suggested Answer

by  kitubha at Dec. 29, 2021, 4:56 p.m.

Comments

Type your comment...

Submit

- SemiDeus** Highly Voted 2 years, 9 months ago

I chose B since it guarantees a latency of ~10 milliseconds is maintained, well also giving the redundancy of multi-zone. If it was D, we could not guarantee 10 milliseconds between the different regions.

upvoted 46 times
- prekair0** Highly Voted 2 years, 9 months ago

Selected Answer: B

Multi zone is also redundant within the region and it provides the lowest latency.

upvoted 12 times
- Swollenbadger** Most Recent 2 months ago

Selected Answer: D

Gonna go with D even though C is also valid because distributing across regions and zones is recommended.

upvoted 1 times
- Surek** 9 months, 4 weeks ago

Answer is B

upvoted 1 times
- Surek** 10 months ago

Answer B

upvoted 1 times
- xDSKick** 10 months, 3 weeks ago

Selected Answer: B

Options A, C, and D involve spreading the virtual machines across different configurations, such as single zone, multiple regions with one zone per region, or multiple zones per region. While these options may offer redundancy to some extent, they might not guarantee the desired extremely fast communication due to potential increased latency between different regions or zones.
Therefore B

upvoted 4 times
- chai_gpt** 11 months, 3 weeks ago

Selected Answer: B

B is correct

upvoted 1 times
- chai_gpt** 11 months, 3 weeks ago

Selected Answer: B

B is correct

upvoted 1 times
- mahiravan** 11 months, 3 weeks ago

Selected Answer: D

<https://cloud.google.com/compute/docs/regions-zones>
Depending on how widely you want to distribute your resources, create instances across multiple zones in multiple regions for redundancy.

upvoted 1 times
- custodio** 1 year ago

Answer correct is B according to 'Decreased network latency'
To decrease network latency, you might want to choose a region or zone that is close to your point of service. For example, if you mostly have customers on the East Coast of the US, then you might want to choose a primary region and zone that is close to that area and a backup region and zone that is also close by.' Section at <https://cloud.google.com/compute/docs/regions-zones/>

upvoted 1 times
- __rajan__** 1 year ago

Selected Answer: B

In different zones within a single region

upvoted 1 times
- louiselz** 1 year ago

Answer D according to 'Identifying a region or zone' Section at <https://cloud.google.com/compute/docs/regions-zones/>

upvoted 1 times
- mdsarfraz69** 1 year, 1 month ago

Selected Answer: D

D is correct one



   upvoted 1 times

  **adyanrado** 1 year, 1 month ago

Selected Answer: D

D is correct because guarantee slow latency between regions and zones in case of any zone failed, yet have slow latency between regions

   upvoted 2 times

  **jaya7** 1 year, 1 month ago

I chose B as the latency is less between zones in a single region

   upvoted 1 times

  **tperelle** 1 year, 2 months ago

Selected Answer: B

I chose B. Looking to the Google Cloud performance dashboard, latency between multiple zone of a same region is ~1ms, communication between multiple regions is ~100ms. So multi-zones provides redundancy and latency < 10ms

   upvoted 1 times

  **AKSArch** 1 year, 2 months ago

Selected Answer: B

10ms latency is the keyword here. The multi-region configuration would definitely be affected by latency. I would go for option B

   upvoted 1 times

[Load full discussion...](#)

Start Learning for free



Social Media

[Facebook](#) , [Twitter](#)

[YouTube](#) , [Reddit](#)

[Pinterest](#)

EXAMTOPICS

We are the biggest and most updated IT certification exam material website.

Using our own resources, we strive to strengthen the IT professionals community for free.



© 2024 ExamTopics

ExamTopics doesn't offer Real Microsoft Exam Questions. ExamTopics doesn't offer Real Amazon Exam Questions. ExamTopics Materials do not contain actual questions and answers from Cisco's Certification Exams.

CFA Institute does not endorse, promote or warrant the accuracy or quality of ExamTopics. CFA® and Chartered Financial Analyst® are registered trademarks owned by CFA Institute.