

Microsoft Discussions



**Exam AZ-900 All Questions**

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EXAM AZ-900 TOPIC 1 QUESTION 155 DISCUSSION

Actual exam question from Microsoft's AZ-900

Question #: 155

Topic #: 1

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You plan to deploy several Azure virtual machines.

You need to ensure that the services running on the virtual machines are available if a single data center fails.

Solution: You deploy the virtual machines to two or more regions.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer

by [STH](#) at Sept. 9, 2019, 5:02 p.m.

Comments

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  **Thyfer** Highly Voted  4 years, 12 months ago

Services are being discussed. Not all regions offer the same services; therefore, answer is B

   upvoted 74 times

  **fspellet** 3 years, 6 months ago

"You need to ensure that the services running on the virtual machines are available if a single data center fails."

This sentence implies that while you're setting up the service, the regions you have chosen already have the services you need. Regardless if all regions offer the same services, you wouldn't use 2 regions that didn't have all the services available to you, thus making the question irrelevant if that was the case.

   upvoted 22 times

  **MIU** 3 years, 5 months ago

>You plan to deploy several Azure virtual machines.

This is just a simple case for "Deploying Azure virtual machines".  
Any region has this fundamental function....So the answer is "Yes".

   upvoted 32 times

  **samraw83** 2 years, 3 months ago

if datacenter is the scope, it only needs availability zone.

   upvoted 2 times

  **alisag09** 3 years, 9 months ago

if the region did not offer a particular service, you anyway cannot create a resource. isn't it?

   upvoted 5 times

  **Amit0807** 4 years, 8 months ago

But the solution says you have deployed it in multiple regions hence it can be assumed that the services were available in other regions

   upvoted 64 times

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  **Bond** Highly Voted  5 years ago

i think what is required is best possible answer.. regions are NOT primarily designed for fault tolerance.

   upvoted 47 times

  **shishal** 4 years ago


We may be overdoing it but regardless it meets the goal. May not be very cost effective or performant but that's not the goal here.

   upvoted 33 times

  **[Removed]** 2 years, 7 months ago


Agree. It meets the goal. This is literally what happened with AWS when the entire East region went down. Those companies that had multi-region deployment their sites did not go down. The rest of those folks took the rest of the day off.

   upvoted 9 times

  **semauni** 1 year, 5 months ago



Agreed. The question is not whether this is the best solution, it's about whether that solution works or not.

   upvoted 1 times

  **Genichiro** Most Recent  2 months, 2 weeks ago

Answer is A. Yes, deploying virtual machines to two or more regions would meet the goal of ensuring that services remain available if a single data center fails. This approach leverages geographic redundancy, which helps maintain high availability and disaster recovery capabilities.

   upvoted 1 times

  **NoursBear** 3 months, 1 week ago

I think Yes is correct. These scenarios come in 4 and the other 3 questions were "no". Plus question 131 asks a similar question and the answer is "2 or more regions" too

   upvoted 1 times

  **NoursBear** 3 months ago

I am now not sure because one of the other questions was YES with 2 or more availability zones. I think Microsoft wants us to say no to this one and yes to the other one.

   upvoted 1 times

  **AGTraining** 7 months ago

**Selected Answer: A**

Region pairs

Most Azure regions are paired with another region within the same geography (such as US, Europe, or Asia) at least 300 miles away. This approach allows for the replication of resources across a geography that helps reduce the likelihood of interruptions because of events such as natural disasters, civil unrest, power outages, or physical network outages that affect an entire region. For example, if a region in a pair was affected by a natural disaster, services would automatically fail over to the other region in its region pair.

   upvoted 1 times

  **dgerok** 12 months ago

**Selected Answer: A**

It is A for sure

   upvoted 2 times

  **dayanandthombare** 1 year ago

The correct answer is B. No.

Deploying virtual machines to two or more regions does not ensure that the services running on the virtual machines are available if a single data center fails.

Instead, you should deploy the virtual machines to availability zones within a region. Availability zones are physically separate data centers within an Azure region that are connected through high-speed, private networks. Deploying virtual machines to availability zones ensures that the services running on the virtual machines are available if a single data center fails.

   upvoted 1 times

  **SAFM** 1 year ago

**Selected Answer: B**

I think the answer is No. This is because logically before going into the more expensive solution among the available two solutions (Availability zones and regions) one should first check the first logical solution. First, you check if you have availability zones in your region and you go for that solution because we are concerned about the single datacenter protection level. If you do not have availability zones in your region, you can opt for deploying into another region. But this choice cannot be picked up first, without checking alternatives. That is how I see it, otherwise, they would not have mentioned "single datacenter in the question text.

   upvoted 2 times

  **ltp1120** 1 year, 2 months ago

it's A, in this case we are talking about GRS "Geo-Redundant "

   upvoted 1 times

  **Molota** 1 year, 5 months ago

**Selected Answer: A**

2 regions apply too

   upvoted 2 times

  **helpme1** 1 year, 8 months ago

Answer: Yes


Deploying virtual machines to two or more regions can help to ensure the availability of the services running on the virtual machines if a single data center fails. By deploying virtual machines to multiple regions, you can help to ensure that your services are available even if an entire region experiences a failure. In the event of a failure, the virtual machines in the unaffected regions can continue to run and provide the necessary services.

   upvoted 7 times

  **Luansi** 1 year, 9 months ago

**Selected Answer: A**

Yes, deploying the virtual machines to two or more regions can help ensure the availability of the services running on them in the event of a single data center failure. By deploying the virtual machines in multiple regions, you can create a distributed environment that is less susceptible to downtime caused by local infrastructure issues. However, you should also consider other factors such as networking, security, and compliance to ensure that your solution meets your availability, performance, and other requirements.


   upvoted 1 times

  **buiducvu** 1 year, 10 months ago

A. Yes

2 or more AZ

2 or more Region

   upvoted 4 times

🗨️ 👤 **EliasYahya** 1 year, 10 months ago

it's A, in this case we are talking about GRS "Geo-Redundant "

👍 ↩️ 🚩 upvoted 2 times

🗨️ 👤 **SIAMIANJI** 1 year, 11 months ago

**Selected Answer: A**

It's obvious!!

👍 ↩️ 🚩 upvoted 3 times

🗨️ 👤 **BieLey** 1 year, 11 months ago

**Selected Answer: A**

Availability Zones  
and  
Regions are both good answers.

👍 ↩️ 🚩 upvoted 7 times

🗨️ 👤 **Ozymandias** 2 years ago

**Selected Answer: A**

Answer is correct. Availability Zones might just be enough, but it does meet the goal anyway.

👍 ↩️ 🚩 upvoted 4 times

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