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📄 **EXAM AZ-900 TOPIC 1 QUESTION 21 DISCUSSION**

Actual exam question from Microsoft's AZ-900

Question #: 21

Topic #: 1

[All AZ-900 Questions]

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You are tasked with deploying a critical LOB application, which will be installed on a virtual machine, to Azure.

You are informed that the application deployment strategy should allow for a guaranteed availability of 99.99 percent. You need to make sure that the strategy requires as little virtual machines and availability zones as possible.

Solution: You include two virtual machines and two availability zones in your strategy.

Does the solution meet the goal?

   A. Yes

   B. No

Show Suggested Answer

by 👤 **iwarakorn** at *July 1, 2021, 6:30 a.m.*

Comments

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👤 **BinuRaj** `Highly Voted 👍` 3 years, 3 months ago

SLA for Virtual Machines
Last updated: July 2020

For all Virtual Machines that have two or more instances deployed across two or more Availability Zones in the same Azure region, we guarantee you will have Virtual Machine Connectivity to at least one instance at least 99.99% of the time.
For all Virtual Machines that have two or more instances deployed in the same Availability Set or in the same Dedicated Host Group, we guarantee you will have Virtual Machine Connectivity to at least one instance at least 99.95% of the time.
For any Single Instance Virtual Machine using Premium SSD or Ultra Disk for all Operating System Disks and Data Disks, we guarantee you will have Virtual Machine Connectivity of at least 99.9%.
For any Single Instance Virtual Machine using Standard SSD Managed Disks for Operating System Disk and Data Disks, we guarantee you will have Virtual Machine Connectivity of at least 99.5%.
For any Single Instance Virtual Machine using Standard HDD Managed Disks for Operating System Disks and Data Disks, we guarantee you will have Virtual Machine Connectivity of at least 95%.

👍 ↩ 🚩 upvoted 90 times

👤 **ddponder** `Highly Voted 👍` 3 years, 3 months ago

The correct answer is B. The correct solution would have a minimum of 2 for both.

👍 ↩ 🚩 upvoted 29 times

> 👤 **pgcool** 6 months ago
>
> its mentioned 2 for both. Please dont give wrong answer
>
> 👍 ↩ 🚩 upvoted 7 times

> 👤 **tlh45342** 1 year ago
>
> Please watch your google search. The solution IN THIS CASE was to deploy 2 VMs.
> I almost fell into the same trap. The question I was looking at was to deploy 1 VM.
> If 1 VM deployed this fails. if 2 VMs (as in this question) then A / True.
>
> 👍 ↩ 🚩 upvoted 5 times

> 👤 **AlbertKwan** 1 year, 11 months ago
>
> Source?
>
> 👍 ↩ 🚩 upvoted 1 times

> 👤 **Sarmad_Mansour** 1 year, 9 months ago
>
> minimum of 2 for both, then the correct answer should be A.
>
> 👍 ↩ 🚩 upvoted 11 times

👤 **P_BASNET** `Most Recent ⊙` 1 month ago

A. Yes

Deploying two virtual machines across two availability zones can meet the goal of achieving 99.99% availability. Here's why:

Availability Zones: Using two availability zones provides high availability by ensuring that if one zone experiences a failure, the other zone can continue to operate, thereby reducing the risk of total service disruption.
Virtual Machines: With two virtual machines spread across these availability zones, you achieve redundancy and fault tolerance. If one virtual machine fails, the other can handle the workload, ensuring continuous operation.
This setup meets the requirements for high availability with minimal resource use, aligning with the goal of 99.99% availability.

So, the correct answer is A. Yes.

👍 ↩ 🚩 upvoted 2 times

👤 **siculoct** 4 months, 2 weeks ago

Its A the right answer

👍 ↩ 🚩 upvoted 3 times

👤 **siculoct** 4 months, 2 weeks ago

yes 2 vm and 2 Available zone

👍 ↩ 🚩 upvoted 3 times

👤 **siculoct** 5 months, 1 week ago

it's A
Two virtual machines and two availability zones meet the 99.9%

👍 ↩ 🚩 upvoted 2 times

👤 **Jeenia** 5 months, 3 weeks ago

`Selected Answer: A`

Having 2 VMs at two different locations/availability zones solves the problem.

👍 ↩ 🚩 upvoted 4 times

Lekshmi_rl 6 months ago

Answer is A

👍 ↩ ⚑ upvoted 1 times

MAFA56 7 months, 3 weeks ago

Selected Answer: A

A - For all Virtual Machines that have two or more instances deployed across two or more Availability Zones in the same Azure region, we guarantee you will have Virtual Machine Connectivity to at least one instance at least 99.99% of the time.

👍 ↩ ⚑ upvoted 2 times

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intentando 11 months ago

Selected Answer: A

A

👍 ↩ ⚑ upvoted 3 times

AntonioTech 1 year, 1 month ago

The answer is A. Yes

The solution meets the goal.

Deploying two virtual machines across two availability zones is a suitable strategy for achieving a guaranteed availability of 99.99 percent with the least virtual machines and availability zones. Azure Availability Zones are physically separate datacenters within an Azure region, providing redundancy and high availability.

By deploying the application to two virtual machines, each in a different availability zone, you ensure that even if one availability zone experiences an issue, the application remains available in the other availability zone. This setup minimizes the risk of downtime and meets the specified availability requirement of 99.99 percent.

👍 ↩ ⚑ upvoted 11 times

Rainheart 1 year, 2 months ago

No, the solution does not meet the goal.

To achieve a guaranteed availability of 99.99%, you need to deploy your virtual machine in at least three availability zones. This is because Azure guarantees a 99.99% availability SLA for virtual machines that are deployed in three availability zones.

👍 ↩ ⚑ upvoted 1 times

> **tlh45342** 1 year ago
>
> A
>
> 👍 ↩ ⚑ upvoted 3 times
>
> > **Edgy_San** 8 months, 3 weeks ago
> >
> > Loved how you cut right through the chase from the very first word. Leaving no room for misinterpretation. It's good to be decisive like that.
> >
> > 👍 ↩ ⚑ upvoted 1 times

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jana90 1 year, 3 months ago

yes, 99.99%
For all Virtual Machines that have two or more instances deployed across two or more Availability Zones in the same Azure region, Virtual Machine Connectivity to at least one instance at least 99.99% of the time.
https://azure.microsoft.com/en-us/support/legal/sla/virtual-machines/v1_8/

👍 ↩ ⚑ upvoted 1 times

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louloua 1 year, 4 months ago

two or more instances in two or more availability zones in the same azure region is 99.99%

👍 ↩ ⚑ upvoted 2 times

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jakenz 1 year, 4 months ago

Selected Answer: A

It's A you noobs

👍 ↩ ⚑ upvoted 10 times

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kasho0 1 year, 4 months ago

A is the correct answer

SLA for Virtual Machines
Updated: 11/2020
For all Virtual Machines that have two or more instances deployed across two or more Availability Zones in the same Azure region, we guarantee you will have Virtual Machine Connectivity to at least one instance at least 99.99% of the time.

https://www.azure.cn/en-us/support/sla/virtual-machines/

navid1365 1 year, 5 months ago

Selected Answer: A

A is correct, details in BinuRaj's comment

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