EXAMTOPICS

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📄 **EXAM AZ-900 TOPIC 1 QUESTION 116 DISCUSSION**

Actual exam question from Microsoft's AZ-900

Question #: 116

Topic #: 1

[All AZ-900 Questions]

HOTSPOT -

You plan to deploy a critical line-of-business application to Azure.

The application will run on an Azure virtual machine.

You need to recommend a deployment solution for the application. The solution must provide a guaranteed availability of 99.99 percent.

What is the minimum number of virtual machines and the minimum number of availability zones you should recommend for the deployment? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Minimum number of virtual machines:

1	∨
2	
3	

Minimum number of availability zones:

| 1 | ∨ |

2
3

Show Suggested Answer

by 👤 rgalfaro at *Dec. 3, 2019, 5:16 p.m.*

Comments

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⊟ 👤 **sbettani** `Highly Voted 👍` 4 years, 10 months ago

"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://azure.microsoft.com/en-us/support/legal/sla/virtual-machines/v1_8/

👍 ↩ 🚩 upvoted 145 times

⊟ 👤 **411** 4 years, 4 months ago

2 VM in each AZ. Does that mean there will be 4 VMs at any given moment? Will that be failOVer only or sharing load also? Some cloud company recommend 3 and 3.

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⊟ 👤 **Kei_zzZ** 2 years, 7 months ago

It's said 2 VMs with each one located in different availability zone

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⊟ 👤 **m1nt1w0p4cc** 3 years, 4 months ago

This is not any mom and pop cloud provider corporation... this is MS

👍 ↩ 🚩 upvoted 11 times

⊟ 👤 **SyedAadRazaDevops** 3 years, 2 months ago

hahahhahahahahhah

👍 ↩ 🚩 upvoted 2 times

⊟ 👤 **Pass4IT** 2 years, 8 months ago

Minimally, 1 VM in each AZ so in total 2 VM and 2 AZ. Refer to this YouTube tutorial: https://www.youtube.com/watch?v=5NMcM4zJPM4
Go to 9:37 , there is a diagram that shows how 99.99% is achieved.

👍 ↩ 🚩 upvoted 7 times

⊟ 👤 **SAFM** 1 year ago

Very helpful, thank you!

👍 ↩ 🚩 upvoted 1 times

⊟ 👤 **CarlosM** `Highly Voted 👍` 4 years, 7 months ago

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, 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 storage for all Operating System Disks and Data Disks, we guarantee you will have Virtual Machine Connectivity of at least 99.9%

👍 ↩ 🚩 upvoted 41 times

⊟ 👤 **semauni** 1 year, 5 months ago

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

👍 ↩ 🚩 upvoted 2 times

    ─ 👤 **semauni** 1 year, 5 months ago

Woops I saw the .cn after I responded... (thanks Google for putting this as a first hit). Still, this is a comprehensive overview which should be the same for Azure in general.

👍 ↩ 🏳 upvoted 1 times

─ 👤 **Molota** `Most Recent ⊘` 1 year, 5 months ago

2 VM and 2 AZ

👍 ↩ 🏳 upvoted 3 times

─ 👤 **Pa1theAchiever** 2 years, 3 months ago

correct

👍 ↩ 🏳 upvoted 1 times

─ 👤 **raul4real73** 2 years, 4 months ago

https://docs.microsoft.com/en-us/learn/modules/choose-azure-services-sla-lifecycle/4-design-application-meet-sla == "Deploying two or more instances of an Azure virtual machine across two or more availability zones raises the virtual machine SLA to 99.99 percent"

👍 ↩ 🏳 upvoted 1 times

─ 👤 **JKRowlings** 2 years, 6 months ago

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://azure.microsoft.com/en-us/support/legal/sla/virtual-machines/v1_9/

👍 ↩ 🏳 upvoted 1 times

─ 👤 **CodePro** 2 years, 7 months ago

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://azure.microsoft.com/en-us/support/legal/sla/virtual-machines/v1_9/

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─ 👤 **namtn6** 2 years, 7 months ago

i moved to azure from aws. In aws need minimum 1 instance to ensure always HA to cost-efficient

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─ 👤 **techgirl77** 2 years, 9 months ago

Took the exam 12/30/21. This was the only resource I used to study. Thank you examtopics and all of you guys for your comments. Make sure to go through all the questions twice and you will pass. Good luck everyone!

👍 ↩ 🏳 upvoted 4 times

─ 👤 **Buruguduystunstugudunstuy** 2 years, 11 months ago

Keywords = minimum number
Answer: 2 VM and 2 AZ

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─ 👤 **Nassi** 3 years, 1 month ago

Correct!
https://azure.microsoft.com/fr-fr/support/legal/sla/virtual-machines/v1_9/

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─ 👤 **Gerardo1971** 3 years, 5 months ago

Correct answer

👍 ↩ 🏳 upvoted 2 times

─ 👤 **panal** 3 years, 8 months ago

Answer Is Correct

https://azure.microsoft.com/en-us/support/legal/sla/virtual-machines/v1_9/

👍 ↩ 🏳 upvoted 3 times

─ 👤 **panal** 3 years, 8 months ago

It is correct

https://azure.microsoft.com/en-us/support/legal/sla/virtual-machines/v1_9/

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─ 👤 **elvancedonzy** 3 years, 8 months ago

Ans - 2 & 2
Ref - https://azure.microsoft.com/en-us/support/legal/sla/virtual-machines/v1_9/

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─ 👤 **nigeldmgriffith** 3 years, 9 months ago

99.99% achieved by utilising a min. of 2VMs and 2Zones

👍 ↩ 🚩 upvoted 2 times

⊟ 👤 **agcertif** 3 years, 10 months ago

Why not 3VMs 3AZs plz ?

👍 ↩ 🚩 upvoted 2 times

⊟ 👤 **Sreeram1** 3 years, 6 months ago

3 &3 can also do the job, but the question asked about minimum number. So the answer is 2&2. Hope clarifies it.

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