

Microsoft Discussions



Exam AZ-900 All Questions

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EXAM AZ-900 TOPIC 1 QUESTION 122 DISCUSSION

Actual exam question from Microsoft's AZ-900

Question #: 122

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 scale sets.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer

by PRT at Sept. 1, 2019, 4:51 a.m.

Comments

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  **PRT** Highly Voted  5 years, 1 month ago



An availability set is a logical grouping of VMs within a datacenter. You will have to use availability zones. Hence B answer.

   upvoted 122 times

  **roanbaga** 4 years, 7 months ago


No, an Availability sets divide in two: Update Domains (Logical) and Fault Domains (Physicals).

   upvoted 12 times

  **Rooks** 4 years, 6 months ago

No such thing called availability set - it is scale set. The answer is B.

   upvoted 5 times

  **Rooks** 4 years, 6 months ago



Sorry typo - meant Scale Set

   upvoted 2 times

  **Rooks** 4 years, 6 months ago

Sorry again— there's indeed such thing called Availability Sets. Too many things with Sets : -) apologies for confusion..

   upvoted 17 times

  **Smikky** 3 years, 9 months ago

They didn't mention availability sets, they mentioned scale set i.e. VM scale set. It lets you create and manage group of identical VMs. Scale sets are not for fault tolerance but more for management.

  upvoted 2 times

  **foreverlearner** 4 years, 6 months ago

It is a thing: "An availability set is a logical grouping of two or more VMs (on different racks inside the same Datacenter) that help keep your application available during planned or unplanned maintenance. "

However, they wouldn't be helpful neither in this scenario, you would need to deploy the VMs in 2 different AZs

   upvoted 24 times

  **Himanshu27** 4 years, 3 months ago

I Agree... VMs must be in two or more scale-sets but those scale-sets must be in different datacenters in same or different availability zones..(as per leow text on MSDN

>Scale sets are used to run multiple instances of your application. If one of these VM instances has a problem, customers continue to access your application through one of the other VM instances with minimal interruption.

>For additional availability, you can use Availability Zones to automatically distribute VM instances in a scale set within a single datacenter or across multiple datacenters.)

   upvoted 5 times

  **Georgess** 2 years, 12 months ago

Answer is B, BUT Availability set it's not the same thing to Scale set.

   upvoted 1 times

  **Moon** Highly Voted  4 years, 11 months ago

answer is "No / B".

Virtual Machine Scale Sets let you create and manage a group of identical, load balanced VMs. The number of VM instances can automatically increase or decrease in response to demand or a defined schedule.


What provide Data Center fault tolerant, is "Availability Set".

   upvoted 26 times

  **thomasemr** 4 years, 5 months ago

Availability Zones.

   upvoted 8 times


  **zswap** Most Recent  1 week, 6 days ago



No. Deploying virtual machines to two or more scale sets alone does not ensure availability if a single data center fails. To achieve high availability, you should deploy the virtual machines across multiple availability zones within a region. This way, if one data center (or availability zone) fails, the services can continue running in the other zones.

   upvoted 1 times

  **p24688** 3 weeks, 3 days ago

No is the answer. You have to use availability zones.

   upvoted 1 times

  **Khan87** 9 months, 2 weeks ago

Selected Answer: B

B. No

Deploying virtual machines to two or more scale sets alone does not guarantee high availability across data centers

   upvoted 1 times

  **kaf_omic** 10 months, 1 week ago

Selected Answer: A

I'll go with No. To protect your Virtual Machine Scale Sets from datacenter-level failures, you can create a scale set across Availability Zones, they did not mention this, they mentioned to deploy the VMs to more than one scale set instead.

According to the benefits of Azure Scale Sets:

"Provides high availability and application resiliency by distributing VMs across availability zones or fault domains"

"For more availability, you can use Availability Zones to automatically distribute VM instances in a scale set within a single datacenter or across multiple datacenters"



<https://learn.microsoft.com/en-us/azure/virtual-machine-scale-sets/overview>

   upvoted 1 times

  **kaf_omic** 10 months, 1 week ago

mislicked, my answer is B. No

   upvoted 1 times


  **Pinha** 1 year, 9 months ago

- Scale sets: Scale sets are a feature in Azure that allows you to create and manage a group of identical, load balanced VMs. Scale sets provide high availability and auto-scale capabilities, and they are an effective way to ensure that your services are always available and running optimally.

- Availability sets: Availability sets are a feature in Azure that helps ensure the availability of your virtual machines (VMs) by distributing them across multiple physical servers, switches, and storage units. When you create an availability set, you can specify the number of VMs that you want in the set, and Azure will automatically distribute them across multiple physical resources to ensure that they are available in the event of a failure. Availability sets are designed to provide 99.95% uptime for two or more VMs in the same availability set, which means that your VMs are expected to be available at least 99.95% of the time.

The answer is B.

   upvoted 3 times

  **_Juliemol13** 1 year, 4 months ago

Availability set is hardware protection in the data center that is hosting your VM.

Scale set is an increase resource for your workload on a set of VMS, which provisions more instances according to pre-defined metrics.

   upvoted 1 times

  **buiducvu** 1 year, 10 months ago

Selected Answer: B

B. No is correct

   upvoted 1 times

  **Pa1theAchiever** 2 years, 3 months ago

Option B

   upvoted 1 times

  **SleepyBear** 2 years, 4 months ago

the last one should be yes? azure does cross region replication pairing for all geographies

<https://docs.microsoft.com/en-us/azure/availability-zones/cross-region-replication-azure>

   upvoted 1 times

  **JustSignalingVirtues** 2 years, 4 months ago



Even though you can deploy VM scale set to multiple zones to accommodate for DC failures, such setup is not by default just like it is not by default for VMs. Based on the information provided in the question, answer is B.

   upvoted 1 times

  **JKRowlings** 2 years, 6 months ago

Availability Zone provides high availability in case of a Data center failure and not Scale set.

   upvoted 1 times

  **ram75** 2 years, 8 months ago

Availability Sets— Provides resiliency against machine failure.
Availability Zone - Provides resiliency against data center failure.

Virtual Machine Scale Sets - Group of identical machine under a load balancer. It is basically auto-scaling and doesn't provide protection against datacenter failure. Hence, the answer is "B".

   upvoted 11 times

  **idreessal** 1 year, 9 months ago

kia samjaya bhai tho.. mast.... ache se samjaya bhai tu.. thankyou

   upvoted 1 times

  **VHP07** 2 years, 10 months ago

Question repeating I could see

   upvoted 1 times

  **Mhe** 3 years, 3 months ago

Is this true on real exam "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."? Once you answered you cannot return to change the answer to this question?

   upvoted 2 times

  **weronika2** 3 years, 2 months ago

Yes, that's true.

   upvoted 1 times

  **tsk9921** 1 year, 2 months ago

You can click - Mark for Review so you can review later if time permits. I did it last week & it worked.

   upvoted 1 times

  **panal** 3 years, 8 months ago

B is correct answer

   upvoted 2 times

  **nigeldmgriffith** 3 years, 9 months ago

No ==> Scale sets refer to a group of VMs within a datacenter therefore it cannot address a datacenter failure.

   upvoted 4 times

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