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EXAM AZ-900 TOPIC 1 QUESTION 378 DISCUSSION

Actual exam question from Microsoft's AZ-900

Question #: 378

Topic #: 1

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What is an example of vertical scaling in a cloud environment?

- A. adding an additional CPU to an existing Azure virtual machine
- B. adding an additional Azure virtual machine
- C. adding an additional Azure Virtual Desktop session host
- D. adding an additional Azure App Service instance automatically

Show Suggested Answer

by [KW1234](#) at Sept. 15, 2022, 5:04 a.m.

Comments

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  **TinaTina** Highly Voted  2 years ago

Vertical scaling is adding more power or memory ie CPU or RAM to an existing machine. Whereas horizontal scaling is scaling by adding more machines to your pool

   upvoted 14 times

? ? **simon9251** Most Recent ? 1 year, 1 month ago

This question was on my exam today. 8/31/2023

? ? ? upvoted 1 times

? ? **Toto_OS** 1 year, 8 months ago

Selected Answer: A

Correct is A

? ? ? upvoted 1 times

? ? **zellick** 1 year, 9 months ago

Selected Answer: A

A is the answer.

? ? ? upvoted 4 times

? ? **zellick** 1 year, 9 months ago

Vertical scaling, also known as scaling up or scaling out, is the process of increasing the capacity of a single resource, such as a virtual machine or a database, to meet the demands of a workload. This can be done by adding more resources to the existing resource, such as additional CPUs, memory, or storage.

An example of vertical scaling in a cloud environment is adding an additional CPU to an existing Azure virtual machine. This can be done by modifying the VM's size or configuration to include more CPUs, which will allow it to handle a larger workload or more concurrent requests.

Other examples of vertical scaling in a cloud environment include adding more memory to a database server, or increasing the capacity of a storage volume.

Vertical scaling is typically used to address short-term or temporary increases in workload demand, and is often a faster and simpler way to scale a resource than horizontal scaling, which involves adding additional instances of a resource.

? ? ? upvoted 2 times

? ? **TomGa** 1 year, 10 months ago

Selected Answer: A

Vertical scaling is adding more resources to existing VMs. Horizontal is when you add more VMs, to you existing VM count essentially spreading out.

? ? ? upvoted 3 times

? ? **ahashemi** 1 year, 10 months ago

Was on Dec 9 2022 exam

? ? ? upvoted 2 times

? ? **AzureCloud07** 1 year, 10 months ago

Vertical Scaling -

Deploying application/database to bigger instance:

A larger hard drive

A faster CPU

More RAM, CPU, I/O, or networking capabilities

? ? ? upvoted 1 times

? ? **mikmikh** 2 years ago

Got it on 21 Oct 2022.

? ? ? upvoted 1 times

? ? **KW1234** 2 years, 1 month ago

A is correct

? ? ? upvoted 4 times

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