

Microsoft Discussions



Exam AZ-900 All Questions

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EXAM AZ-900 TOPIC 1 QUESTION 90 DISCUSSION

Actual exam question from Microsoft's AZ-900

Question #: 90

Topic #: 1

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Which term represents the ability to increase the computing capacity of a virtual machine by adding memory or CPUs?

- A. agility
- B. vertical scaling
- C. horizontal scaling
- D. elasticity

Show Suggested Answer

by [phuctran](#) at Sept. 2, 2022, 2:17 p.m.

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[rfatesingh](#) **Highly Voted** 2 years, 1 month ago

Horizontal scaling (Scaling in and Scaling out) is flexible in a cloud situation as it allows you to run a large number of VMs to handle load.

Vertical scaling (Scaling up and Scaling down) keeps the number of resources constant, but gives those resources more

capacity in terms of memory, CPU speed, disk space and network.

   upvoted 33 times

  **phuctran** Highly Voted  2 years, 1 month ago

Selected Answer: B

Vertical is correct, thanks for the explanation!

   upvoted 24 times

  **Super63** Most Recent  15 hours, 6 minutes ago

The answers is indeed B: VERTICAL SCALING

* Scalability is the system's ability to scale (allocate/deallocate) resources.

* Agility is the ability to scale quickly. If that scaling is happening AUTOMATICALLY, then we are talking about Elasticity.

* Elasticity is the ability to quickly expand or decrease computer processing, memory, and storage resources to meet changing demands without worrying about capacity planning and engineering for peak usage. It is typically AUTOMATED so it doesn't have to rely on human administrators around the clock, and offers continuous availability of services by avoiding unnecessary slowdowns or service interruptions.

With that out of the way

* The term that represents the ability to increase the computing capacity of a virtual machine by adding memory or CPUs is VERTICAL SCALING. Vertical scaling, also known as scaling up, involves increasing the resources (such as memory or CPUs) of a single virtual machine to enhance its performance and capabilities

IN SHORT: Horizontal scaling refers to adding additional nodes, vertical scaling describes adding more power to your current machines

   upvoted 1 times

  **anakinr** 7 months ago

Selected Answer: B


Vertical scaling

   upvoted 1 times

  **wsjones** 12 months ago

This showed up today. Had 36 questions and scored an 857, and the community and questions here were all covered on the test!

   upvoted 3 times

  **spyder47** 1 year, 3 months ago

vertical scaling is correct because look at the question it says increase CPU and memory of virtual machine (like for a single resource)

vertical scaling = increasing capabilities of a single resource.

horizontal scaling = increasing number of resources for deployment.

   upvoted 3 times

  **petebear55** 1 year, 4 months ago

Guys, Read the question The question is asking you 'WHICH TERM' that indicates a single word. In reality A & B would both be correct, However this question is one of those nasty red herrings designed to throw you off & i feel have no place in an exam like this. it should be all about getting one over the line, not deliberately trying to cause people to fail just to increase revenue from retakes etc. Trust me , the answer here is A (AGILITY)

What is an example of term?

A term is a word or expression used with a particular meaning. "Rap," "punk," "grunge," and "heavy metal" are terms that describe particular styles of music. "Sweetie" is a term of endearment, at least to most people.

   upvoted 1 times

  **newbie** 1 year, 5 months ago

elasticity had also refered the same meaning, how is elasticity different from Vertical scaling?

   upvoted 1 times

  **aramosme** 1 year, 7 months ago

Agility is correct

   upvoted 1 times

  **Rahil_khan** 1 year, 11 months ago

Its bit confusing!!!

Elastic expenditure model(elasticity): Increase memory and storage (etc.) of a VM as the workload increases and reduces accordingly.

So how is elasticity different from Vertical scaling?

   upvoted 5 times

  **Stasheck** 2 years ago

Selected Answer: B

Horizontal is adding machines, vertical is adding resources to machines.

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