EXAMTOPICS

- Expert Verified, Online, **Free.**

☰ MENU 🔍

← **Microsoft Discussions**

Exam AZ-900 All Questions

View all questions & answers for the AZ-900 exam

Go to Exam

📄 **EXAM AZ-900 TOPIC 1 QUESTION 192 DISCUSSION**

Actual exam question from Microsoft's AZ-900

Question #: 192

Topic #: 1

[All AZ-900 Questions]

DRAG DROP -

Match the Azure services to the correct description.

Instructions: To answer, drag the appropriate Azure service from the column on the left to its description on the right. Each service may be used once, more than once, or not at all.

NOTE: Each correct selection is worth one point.

Select and Place:

Services	Answer Area	
Azure Functions		Provide operating system virtualization
Azure App Service		Provide portable environment for virtualized applications
Azure virtual machines		Used to build, deploy, and scale web apps
Azure Container Instances		Provide a platform for serverless code

Show Suggested Answer

---

by 👤 **panal** at *Feb. 18, 2021, 6:41 a.m.*

Comments

Type your comment…

Submit

⊟ 👤 **hercu** `Highly Voted 👍` 3 years, 7 months ago

Given asnwer is wrong! Be careful!
Correct answers are as follows:
Box 1 - Azure Container Instances
"A container virtualizes the underlying OS and causes the containerized app to perceive that it has the OS." Source:
https://azure.microsoft.com/en-us/overview/what-is-a-container/
Note: Virtual Machines virtualize underlying hardware - not the OS! - so that multiple operating system (OS) instances can
run on the hardware.
Box 2 is Azure Virtual Machines
"Another application of the VM is to provide the property of machine independence. This form, called application (or process)
virtualization, creates an abstracted environment (for an application), making it independent of its physical environment.
In addition to creating a portable environment in which to execute the object code, application virtualization provides an
environment in which to isolate the VM from other applications running on the host."
Source: https://www.ibm.com/developerworks/library/l-virtual-machine-architectures/index.html
Box 3 - Azure App Service
Box 4 - Azure Functions

👍 ↩ 🚩 upvoted 80 times

⊟ 👤 **Georgess** 2 years, 12 months ago

Literally, if you search for operating system virtualization on google this is the first thing appearing. So 1st box = VM.

https://docs.microsoft.com/en-us/azure/virtual-
machines/windows/overview#:~:text=An%20Azure%20VM%20gives%20you,be%20used%20in%20various%20ways.
"An Azure VM gives you the flexibility of virtualization without having to buy and maintain the physical hardware that runs
it. However, you still need to maintain the VM by performing tasks, such as configuring, patching, and installing the
software that runs on it. Azure virtual machines can be used in various ways."

👍 ↩ 🚩 upvoted 4 times

⊟ 👤 **Georgess** 2 years, 12 months ago

*operating system virtualization azure

👍 ↩ 🚩 upvoted 2 times

⊟ 👤 **[Removed]** 3 years, 6 months ago

answer is correct. container is use for apps. vm is use for OS.

👍 ↩ 🚩 upvoted 15 times

⊟ 👤 **[Removed]** 3 years, 4 months ago

You're wrong.
OS instance - VM
App Instance - Container

👍 ↩ 🚩 upvoted 25 times

⊟ 👤 **HariboScotus** 2 years, 2 months ago

hercu is correct. VM's virtualize the hardware and run the full operating system on top of that while containers virtualize
the OS and bundles the app and dependencies inside of it.

Quote from:
https://docs.microsoft.com/en-us/virtualization/windowscontainers/

Windows containers allow users to package applications with their dependencies and leverage operating system-level
virtualization to provide fast, fully isolated environments on a single system. Learn how to use Windows containers with
our quick start guides, deployment guides, and samples.

Quote from:
https://docs.microsoft.com/en-us/virtualization/windowscontainers/about/containers-vs-vm
In contrast to containers, VMs run a complete operating system–including its own kernel–as shown in this diagram...

👍 ↩ 🚩 upvoted 2 times

Load full discussion…

⊟ 👤 **panal** `Highly Voted 👍` 3 years, 8 months ago

Given Answer is Correct.

👍 ↩ 🚩 upvoted 37 times

⊟ 👤 **lalit10** 3 years, 5 months ago

Explain it.

👍 ↩ 🚩 upvoted 2 times

☐ 👤 **Suhailahmed648** 3 years, 5 months ago

No, It's Incorrect! 1 & 2 should be swapped.

👍 ↩ 🚩 upvoted 3 times

☐ 👤 **maumari2** `Most Recent ⊘` 2 months, 3 weeks ago

Maybe this is all about the scope..
Azure Virtual Machines for full OS virtualization.
Azure Kubernetes Service (AKS) for container-based OS virtualization.

So answer is correct because in the question they are not asking for full OS virtualization, just for the apps.

👍 ↩ 🚩 upvoted 1 times

☐ 👤 **shahrzadkhb** 3 months, 1 week ago

Since it is mentioning operating system virtualization, you need to choose container instance for the first one. I am pretty sure about it.

👍 ↩ 🚩 upvoted 1 times

☐ 👤 **e3ddceb** 3 months, 2 weeks ago

Given answer is correct!

👍 ↩ 🚩 upvoted 1 times

☐ 👤 **az900k** 9 months, 2 weeks ago

correct.

👍 ↩ 🚩 upvoted 1 times

☐ 👤 **SAFM** 1 year ago

Please read the instructions carefully: "Each service may be used once, more than once, or not at all." Some choices can be used more than once and some can be totally left not used. For me, the first 2 are both container instances. Here is my proposal for the answer:
1. Azure Container Instances
2. Azure Container Instances
3. Azure App Service
4. Azure Functions

👍 ↩ 🚩 upvoted 3 times

☐ 👤 **BigBang82** 1 year, 1 month ago

This is simply poorly worded by MS. VM can virtualize hardware and OS while containers can virtualize OS (no hardware). Since the first option only says "Provide operating system virtualization" without mentioning hardware or portability both VM and Containers satisfy condition.
Box1: VM/Containers (both correct), chooze whatever
Box2: Containers - keyword portable
Box3: App Service
Box4: Functions

👍 ↩ 🚩 upvoted 3 times

☐ 👤 **Yomzie** 7 months, 1 week ago

Question is not poorly worded; the best scenario where you consider deploying VMs is when there's a need for Hardware Virtualization.
Also, the best scenario for deploying Containers (Dockers; Kubernetes), is when there's a need for OS Virtualization.
So, the 1st and 2nd options would require Azure Container Instances (ACI).

👍 ↩ 🚩 upvoted 1 times

☐ 👤 **sj1234567** 1 year, 2 months ago

@escflow is correct.
Box 1 - Azure Container Instances
Box 2 - Azure Container Instances
Box 3 - Azure App Services
Box 4 - Azure Functions

VM virtualizes hardware resources using hypervisor technique to run multiple OS on same underlying hardware.

👍 ↩ 🚩 upvoted 2 times

☐ 👤 **Hoeishetmogelijk** 1 year, 5 months ago

Answer should be:
1. Azure Container Instances
2. Azure Container Instances
3. Azure App Service
4. Azure Functions

As explanation for choice of 1 and 2:
A container virtualizes the underlying OS and causes the containerized app to perceive that it has the OS—including CPU, memory, file storage, and network connections—all to itself. Because the differences in underlying OS and infrastructure are abstracted, as long as the base image is consistent, the container can be deployed and run anywhere. For developers, this is incredibly attractive.

From page: https://azure.microsoft.com/en-us/resources/cloud-computing-dictionary/what-is-a-container/

👍 ↩ 🏳 upvoted 5 times

☐ 👤 **BabyYodaIsCute** 1 year, 5 months ago
Each answer can be used more than once, so it's container services x 2

👍 ↩ 🏳 upvoted 3 times

☐ 👤 **Rohit2023** 1 year, 8 months ago
Repeat of Question #140

👍 ↩ 🏳 upvoted 2 times

☐ 👤 **telosd** 1 year, 8 months ago
portable environment = containers

👍 ↩ 🏳 upvoted 3 times

☐ 👤 **Anonymouse1312** 1 year, 9 months ago
Box 1 and box 2 are ACI

👍 ↩ 🏳 upvoted 3 times

☐ 👤 **tacobear** 2 years, 7 months ago
it was on exam on 03/12/2022.

👍 ↩ 🏳 upvoted 1 times

    ☐ 👤 **gabrisiq** 2 years, 4 months ago
    Is the given answer correct?

    👍 ↩ 🏳 upvoted 2 times

☐ 👤 **cormorant** 2 years, 7 months ago
VM - OS
container instances - portable environment

👍 ↩ 🏳 upvoted 2 times

☐ 👤 **Diallo18** 2 years, 7 months ago
Was on exam 03/03/2022

👍 ↩ 🏳 upvoted 1 times

Load full discussion...

EXAMTOPICS

We are the biggest and most updated IT certification exam material website.

Using our own resources, we strive to strengthen the IT professionals community for free.