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Microsoft Discussions



Exam AZ-900 All Questions

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EXAM AZ-900 TOPIC 1 QUESTION 140 DISCUSSION

Actual exam question from Microsoft's AZ-900

Question #: 140

Topic #: 1

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DRAG DROP -

Match the Azure services to the correct descriptions.

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 match is worth one point.

Select and Place:

Services

Answer Area

Azure Functions

Azure App Service

Azure virtual machines

Azure Container Instances

Provide operating system virtualization.

Provide portable environment for virtualized applications.

Used to build, deploy, and scale web apps.

Provide a platform for serverless code.

Show Suggested Answer

by [phuctran](#) at Sept. 3, 2022, 8:25 a.m.

Comments

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  **jullian** Highly Voted  1 year, 10 months ago

The given answer is incorrect.

1. Azure Container Instances: Provide operating system virtualization
2. Azure Container Instances: Provide portable environment for virtualized applications
3. Azure App Service: Used to build, deploy, and scale web apps.
4. Azure Functions: Provide a platform for serverless code.

For 1 and 2, as a general rule of thumb:

- VMs virtualize the Hardware
- Containers virtualize the OS

Source: <https://youtu.be/c4TIgSi1Vbg>

Please note that an answer can be used once, more than once, or none at all.

   upvoted 54 times

  **mav3r1ck** Highly Voted  2 years, 1 month ago

Given answer is correct.

Provide OS virtualization (VM) ;
Portable env for virtualized app (Container) ;
Build, deploy, scale web app (App service) ;
Serverless code (Functions)

   upvoted 18 times

  **126e81f** Most Recent  2 months ago

Azure Virtual Machines (VMs): Azure VMs offer full operating system virtualization. They run a complete operating system (like Windows or Linux) in a virtualized environment, allowing you to run applications as if they were on a physical server.

Azure Container Instances (ACIs): Azure Container Instances provide containerization, which is a lightweight form of virtualization that does not include a full operating system but instead relies on the underlying host OS.

   upvoted 1 times

  **Saranpriya** 9 months, 2 weeks ago

1. ACI
2. ACI
3. APS
4. AF

Yes, Azure Container Instances (ACI) provide a portable environment for virtualized applications. ACI is a fully managed service for deploying and running containerized applications in Azure1. It allows you to specify the exact number of CPU cores and amount of memory that your container needs, and it automatically allocates the resources to your container when it is deployed1.

   upvoted 2 times

  **dayanandthombare** 1 year ago

Azure virtual machines provide operating system virtualization and a portable environment for virtualized applications. They are used to build, deploy, and scale web apps.

Azure Functions is a serverless compute service that allows you to run event-triggered code without having to explicitly provision or manage infrastructure. You can build Azure Functions in various languages like C#, F#, Node.js & Typescript, Python, Java and PowerShell.

Azure App Service is a managed service for hosting web applications including websites and web APIs. These web applications may be deployed using code or containers. Azure App Service is optimized for web applications and is integrated with other Azure services including Azure Container Apps or Azure Functions.









































Azure Container Instances provides a single pod of Hyper-V isolated containers on demand. It can be thought of as a lower-level "building block" option compared to Container Apps. Concepts like scale, load balancing, and certificates are not provided with ACI containers.

   upvoted 2 times

  **SAFM** 1 year ago

I think the first one should be Container Instances; since an easy way to compare VMs to Containers is the following "VMs virtualize HW, Containers virtualize OS"... this was mentioned in an official MS video within the study material here: <https://www.microsoft.com/en-us/videooplayer/embed/RE2yuaq?postJsllMsg=true>

   upvoted 1 times

-   **_Juliemol13** 1 year, 4 months ago
Difference Between Azure Virtual Machine & Container Instances <https://www.youtube.com/watch?v=c4TlgSi1Vbg>
   upvoted 2 times
-   **ashrith123** 1 year, 6 months ago
Azure virtual machines
Azure virtual machines provide operation system virtualization. Azure Virtual Machines (VM) is one of several types of on-demand, scalable computing resources that Azure offers.
   upvoted 1 times
-   **Siesta86** 1 year, 7 months ago
Jullian's answer is right, Azure Contanier Instanes also provides operating system virtualization. OS virtualization is not equal VM, Virtual machines emulates and virtualizes physical hardware. - Source: <https://www.youtube.com/watch?v=c4TlgSi1Vbg>
   upvoted 6 times
-   **buiducvu** 1 year, 10 months ago
Given answer is correct.
   upvoted 3 times
-   **GetBreadFred** 2 years ago
Did anyone see this in their exam?
   upvoted 1 times
-   **TonyghostR05** 2 years ago
Easy to memorize, VM, CONTAINER = PART OF VM OS, APP = APP SERVICE , CODE = FUNCTION
   upvoted 5 times
-   **mm1719** 2 years, 1 month ago
VM virtualized hardware, Containers virtualizes OS, so it 1 should be ACI
   upvoted 7 times
-   **phuctran** 2 years, 1 month ago
To scale web app, I think it should be az container instance
   upvoted 1 times

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