

Microsoft Discussions



Exam AZ-900 All Questions

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EXAM AZ-900 TOPIC 1 QUESTION 42 DISCUSSION

Actual exam question from Microsoft's AZ-900

Question #: 42

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.

Your company plans to migrate all its data and resources to Azure.

The company's migration plan states that only Platform as a Service (PaaS) solutions must be used in Azure.

You need to deploy an Azure environment that meets the company migration plan.

Solution: You create an Azure App Service and Azure virtual machines that have Microsoft SQL Server installed.

Does this meet the goal?

A. Yes

B. No



Show Suggested Answer

by [VPoo](#) at Feb. 16, 2021, 2:58 a.m.

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  **kumar78** Highly Voted  3 years, 7 months ago

given answer: Azure App Service is a PaaS (Platform as a Service) service. However, Azure virtual machines are an IaaS (Infrastructure as a Service) service. Therefore, this solution does not meet the goal.

PaaS contains all services of IaaS plus additional Services. So, what do you say Over solution is Yes, That is App Service and Virtual Machine together is PaaS even if VM is in IaaS. Please some one shed some light on this.

   upvoted 203 times




  **johnyjohny1** 3 years, 6 months ago

You have to go back and study the responsibility model a bit more. It has nothing to do with "what's underneath", but what share of the responsibility lies on you, the buyer of the service. When you get PaaS, you don't manage anything you would manage in IaaS. If you put your servers in VMs, you have to manage infrastructure, thus you, as the user, are not doing PaaS.

   upvoted 54 times

  **Cryptomike87** 3 years, 1 month ago

WRONG! If you deploy a VM (IaaS) you are responsible for managing it. The answer to this question is NO.

   upvoted 40 times

  **lovecloud2** 2 years, 10 months ago

Lol you clearly didn't read Johnny's answer.

   upvoted 40 times

  **asrae** 2 years, 11 months ago

The question say you create a virtual machine as a part of the solution. However, you cannot create a VM in PaaS...VM runs underneath of PaaS solution...user can only use PaaS to create the application not infrastructure such as VM. Answer should be NO.



   upvoted 23 times

  **Kuntal_Roni** 3 years ago

An Azure VM with SQL server installed in it falls under IaaS. So the answer is No.

Please refer the MS Doc- <https://docs.microsoft.com/en-us/azure/azure-sql/azure-sql-iaas-vs-paas-what-is-overview>

   upvoted 58 times

  **dhananjaym182** 2 years, 8 months ago



You are right Answer should be NO. VM installed with Azure SQL fall under IaaS user will have OS access.

   upvoted 15 times

  **corvo92** 2 years, 8 months ago

I agree.. as per Microsoft DOC the answer should be NO

   upvoted 5 times

  **rupakrajput5** Highly Voted  3 years, 1 month ago

It should be NO. VM itself a IaaS service.

   upvoted 61 times

  **p24688** Most Recent  3 weeks, 5 days ago




Answer is No

   upvoted 2 times

  **Alsari** 1 month ago

Selected Answer: B

Azure virtual machine is an IaaS

   upvoted 2 times

  **LaReis** 1 month ago

A criação de máquinas virtuais do Azure com o Microsoft SQL Server instalado se enquadra na categoria de Infraestrutura como Serviço (IaaS), não em Plataforma como Serviço (PaaS)12. Para atender ao plano de migração da empresa que especifica o uso de soluções PaaS, você deve utilizar serviços como o Azure App Service para aplicativos web e Azure SQL Database para bancos de dados SQL

   upvoted 1 times

  **Moustafa_Hefaina** 1 month, 2 weeks ago

Selected Answer: B

Answer is No. Creating VM not involved in PaaS

Answer is No. Creating VM not involved in PAAS

   upvoted 1 times

  **Rinesh25** 1 month, 3 weeks ago

No., B is correct

   upvoted 2 times

  **Lakadbhagga** 1 month, 3 weeks ago

Selected Answer: B

VM is not the responsibility of a PAAS user

   upvoted 1 times

  **Ana_99** 2 months ago

Selected Answer: B

Azure virtual machines = IAAS, so answer is B

   upvoted 1 times

  **Nico1996** 3 months, 4 weeks ago

Selected Answer: B

The company's migration plan requires that only Platform as a Service (PaaS) solutions must be used in Azure.

Azure App Service is a PaaS solution, which is suitable for hosting web apps, RESTful APIs, and mobile backends. However, Azure virtual machines (VMs) with Microsoft SQL Server installed are considered Infrastructure as a Service (IaaS), not PaaS. VMs provide infrastructure-level resources rather than platform-level services.

To meet the goal of using only PaaS solutions, you should use Azure SQL Database instead of deploying SQL Server on virtual machines. Azure SQL Database is a fully managed PaaS database engine that handles most of the database management functions, such as upgrading, patching, backups, and monitoring without user involvement.

Therefore, the solution should be:

Azure App Service for hosting web applications.

Azure SQL Database for database services.

This ensures that the environment consists entirely of PaaS solutions, in line with the company's migration plan.

   upvoted 2 times

  **TrainingCA06** 4 months, 2 weeks ago

Answer is NO:

SQL Server on Azure VMs falls into the industry category Infrastructure-as-a-Service (IaaS) and allows you to run SQL Server inside a fully managed virtual machine (VM) in Azure.

<https://learn.microsoft.com/en-us/azure/azure-sql/azure-sql-iaas-vs-paas-what-is-overview?view=azuresql>

   upvoted 1 times

  **Consultant1995** 4 months, 4 weeks ago

Selected Answer: A

1. Azure Disk Storage is IaaS and Azure Blob Storage is PaaS. So it has not mention properly which service the developer used so the answer is no

2. VM = IaaS where App Service I remember as something like Docker which is a Platform. No would be the correct answer here because of the VM.

   upvoted 1 times

  **hjayyousi** 5 months, 4 weeks ago

Selected Answer: A

Obsoletely A, Virtual Machine is an example of IaaS


   upvoted 1 times

  **userofswa** 6 months, 4 weeks ago

Selected Answer: B

Ans is B since VM is IAAS not PAAS

   upvoted 2 times

  **Dharshem** 7 months, 1 week ago

Selected Answer: B


Answer: No

Explanation:

While Azure App Service is a Platform as a Service (PaaS) offering, Azure virtual machines with Microsoft SQL Server installed are considered Infrastructure as a Service (IaaS) solutions, not PaaS. In an IaaS model, you manage the virtual machines, including the operating system, middleware, and runtime, while in a PaaS model, the cloud provider manages these components.

Since Azure virtual machines with SQL Server installed are not PaaS solutions, deploying them does not align with the company's migration plan, which specifies the use of only PaaS solutions.
So, the correct answer is B. No.

   upvoted 4 times

  **Prodyna** 6 months, 1 week ago

Azure virtual machines without Microsoft SQL Server installed - IaaS

Azure virtual machines with Microsoft SQL Server installed - PaaS

PaaS has IaaS (VM) + additional things (Microsoft SQL Server)

because Microsoft SQL Server is already installed, it is not necessary to be managed by user
and because of that the answer is Y

   upvoted 1 times

  **AkshayTadla** 7 months, 1 week ago

Selected Answer: B

B is Correct

   upvoted 1 times

  **AkshayTadla** 7 months, 1 week ago

Correct answer is NO

   upvoted 1 times

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