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Question #81

Topic 1

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

Answer Area

Azure Site Recovery provides

fault tolerance

disaster recovery

elasticity

high availability

 for virtual machines

Answer Area

Correct Answer: Azure Site Recovery provides

fault tolerance

disaster recovery

elasticity

high availability

 for virtual machines

You set up disaster recovery for Azure VMs using Azure Site Recovery.

Reference:

<https://docs.microsoft.com/en-us/azure/site-recovery/azure-to-azure-tutorial-enable-replication>

HOTSPOT -

You plan to use Azure to host two apps named App1 and App2. The apps must meet the following requirements:

- ☞ You must be able to modify the code of App1.
- ☞ Administrative effort to manage the operating system of App1 must be minimized.
- ☞ App2 must run interactively with the operating system of the server.

Which type of cloud service should you use for each app? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

App1:

▼

Infrastructure as a service (IaaS)

Platform as a service (PaaS)

Software as a service (SaaS)

App2:

▼

Infrastructure as a service (IaaS)

Platform as a service (PaaS)

Software as a service (SaaS)

Answer Area

Correct Answer:

App1:

▼

Infrastructure as a service (IaaS)

Platform as a service (PaaS)

Software as a service (SaaS)

App2:

▼

Infrastructure as a service (IaaS)

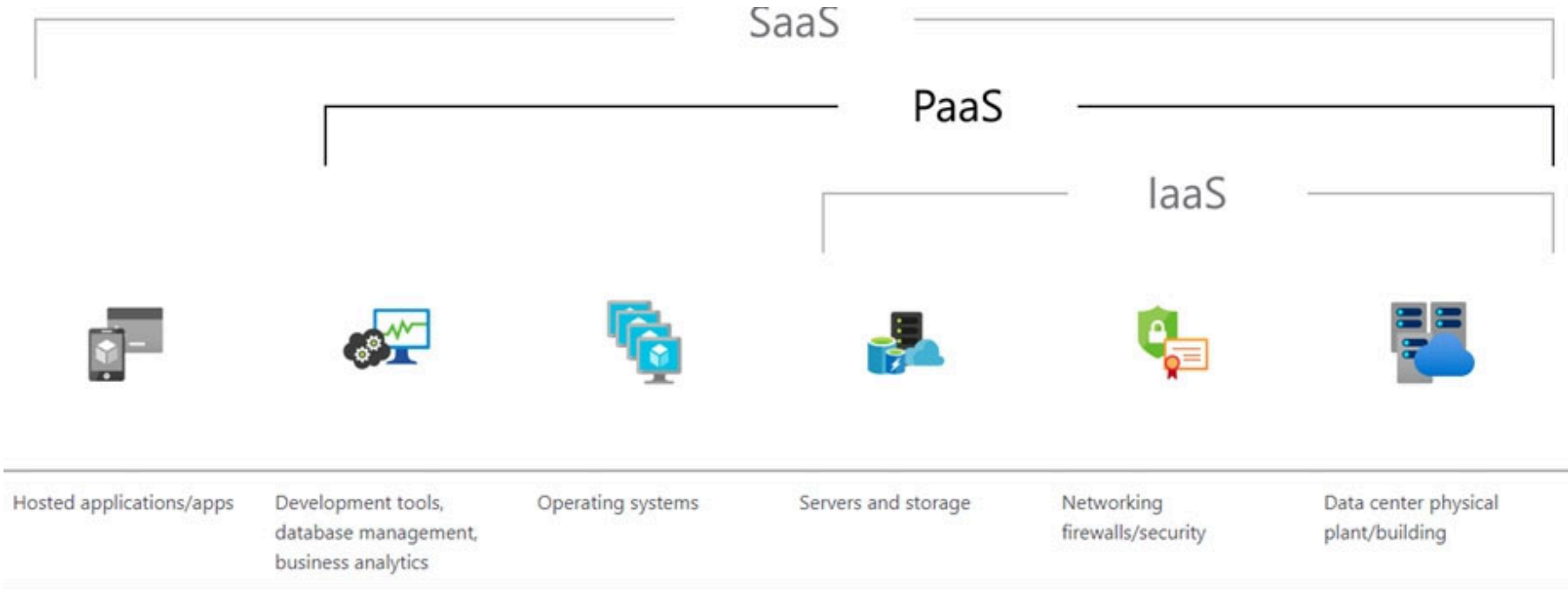
Platform as a service (PaaS)

Software as a service (SaaS)

Box 1: Azure Platform as a service (PaaS)

Organizations typically use PaaS for these scenarios:

Development framework. PaaS provides a framework that developers can build upon to develop or customize cloud-based applications. Similar to the way you create an Excel macro, PaaS lets developers create applications using built-in software components. Cloud features such as scalability, high-availability, and multi-tenant capability are included, reducing the amount of coding that developers must do.



Box 2:

Software as a service (SaaS) allows users to connect to and use cloud-based apps over the Internet. Common examples are email, calendaring, and office tools (such as Microsoft Office 365).

SaaS provides a complete software solution that you purchase on a pay-as-you-go basis from a cloud service provider. You rent the use of an app for your organization, and your users connect to it over the Internet, usually with a web browser. All of the underlying infrastructure,

middleware, app software, and app data are located in the service provider's data center. The service provider manages the hardware and software, and with the appropriate service agreement, will ensure the availability and the security of the app and your data as well. SaaS allows your organization to get quickly up and running with an app at minimal upfront cost.

Reference:

<https://azure.microsoft.com/en-us/overview/what-is-paas/>

Question #83

Topic 1

You have an accounting application named App1 that uses a legacy database.

You plan to move App1 to the cloud.

Which service model should you use?

A. platform as a service (PaaS)

B. infrastructure as a service (IaaS) Most Voted

C. software as a service (SaaS)

Correct Answer: B

Cloud Infrastructure-based Applications " It moves your existing on-premises apps to the Infrastructure as a Service (IaaS) platform or re-hosts them. "Lift & Shift" is a common term for this type of relocation. The programs will be nearly identical to what they were before, but they will now be able to run on cloud VMs.

Reference:

<https://techtaalk.com/microsoft-azure-for-legacy-application-modernization/>

Community vote distribution

B (95%)

5%

Question #84

Topic 1

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

Answer Area

When you are implementing a Software as a Service (SaaS) solution, you are responsible for

▼

configuring high availability

defining scalability rules

installing the SaaS solution

configuring the SaaS solution

Answer Area

Correct Answer: When you are implementing a Software as a Service (SaaS) solution, you are responsible for

▼

configuring high availability

defining scalability rules

installing the SaaS solution

configuring the SaaS solution

Box: configuring the Saas Solution

Software as a service (or SaaS) is a way of delivering applications over the Internet"as a service. Instead of installing and maintaining software, you simply access it via the Internet, freeing yourself from complex software and hardware management.

SaaS applications are sometimes called Web-based software, on-demand software, or hosted software. Whatever the name, SaaS applications run on a SaaS provider's servers. The provider manages access to the application, including security, availability, and performance.

Reference:

<https://www.salesforce.com/in/saas/>

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

Answer Area

An Azure web app that queries an on-premises Microsoft SQL server is an example of a

▼

hybrid
multi-vendor
private
public

cloud.

Answer Area

Correct Answer: An Azure web app that queries an on-premises Microsoft SQL server is an example of a

▼

hybrid
multi-vendor
private
public

cloud.

Box: hybrid -

You can deploy hybrid app with on-premises data that scales cross-cloud.

Reference:

<https://docs.microsoft.com/en-us/azure/architecture/hybrid/deployments/solution-deployment-guide-cross-cloud-scaling-onprem-data>

Question #86

Topic 1

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

Answer Area

A Microsoft SQL Server database that is hosted in the cloud and has software updates managed by Azure is an example of

-
- disaster recovery as a service (DRaaS).
- infrastructure as a service (IaaS).
- platform as a service (PaaS).
- software as a service (SaaS).

Answer Area

Correct Answer: A Microsoft SQL Server database that is hosted in the cloud and has software updates managed by Azure is an example of

-
- disaster recovery as a service (DRaaS).
- infrastructure as a service (IaaS).
- platform as a service (PaaS).
- software as a service (SaaS).

Box: Platform as a service (PaaS)

Platform as a service (PaaS) is a complete development and deployment environment in the cloud, with resources that enable you to deliver everything from simple cloud-based apps to sophisticated, cloud-enabled enterprise applications. You purchase the resources you need from a cloud service provider on a pay- as-you-go basis and access them over a secure Internet connection.

Like IaaS, PaaS includes infrastructure—servers, storage, and networking—but also middleware, development tools, business intelligence (BI) services, database management systems, and more.

Reference:

<https://azure.microsoft.com/en-us/overview/what-is-paas/>

Question #87

Topic 1

Which cloud computing model includes on-premises and cloud-based resources?

A. hybrid Most Voted

B. public

C. private

Correct Answer: A

A hybrid cloud — sometimes called a cloud hybrid — is a computing environment that combines an on-premises datacenter (also called a private cloud) with a public cloud, allowing data and applications to be shared between them. Some people define hybrid cloud to include — multicloud — configurations where an organization uses more than one public cloud in addition to their on-premises datacenter.

Reference:

<https://azure.microsoft.com/en-us/overview/what-is-hybrid-cloud-computing/>

Community vote distribution

A (100%)

HOTSPOT -
Select the answer that correctly completes the sentence.
Hot Area:

Answer Area

Autoscaling is an example of

agility.
elasticity.
geo-distribution.
predictability.

Correct Answer:

Answer Area

Autoscaling is an example of

agility.
elasticity.
geo-distribution.
predictability.

An Azure virtual machine scale set can automatically increase or decrease the number of VM instances that run your application. This automated and elastic behavior reduces the management overhead to monitor and optimize the performance of your application.

Also: Azure elasticity as a service is referred to a cloud service that enables in automatically scaling Azure hosted resources in par with the demand and configured parameters. It provides Azure Administrators with the ability to auto scale Azure infrastructure and resources as and when needed.

Reference:
<https://docs.microsoft.com/en-us/azure/virtual-machine-scale-sets/virtual-machine-scale-sets-autoscale-overview>
<https://www.netreo.com/cloud-automation/what-is-azure-elasticity-as-a-service/>

Question #89

Topic 1

HOTSPOT -

Select the answer that correctly completes the sentence.

Answer Area

▼

supports synchronization between on-premises storage and Azure Storage

Azure Blob Storage

Azure Files

Azure Queue Storage

Azure Table Storage

Answer Area

Correct Answer:

▼

supports synchronization between on-premises storage and Azure Storage

Azure Blob Storage

Azure Files

Azure Queue Storage

Azure Table Storage

Question #90

Topic 1

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

Correct Answer: B

Vertical scaling, also known as scale up and scale down, means increasing or decreasing virtual machine (VM) sizes in response to a workload. Compare this behavior with horizontal scaling, also referred to as scale out and scale in, where the number of VMs is altered depending on the workload.

Reference:

<https://docs.microsoft.com/en-us/azure/virtual-machine-scale-sets/virtual-machine-scale-sets-vertical-scale-reprovision>

Community vote distribution

B (100%)

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