Topic 1 - Single Topic

Question #1*Topic 1*

HOTSPOT -

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
A platform as a service (PaaS) solution that hosts web apps in Azure provides full control of the operating systems that host applications.	○	○
A platform as a service (PaaS) solution that hosts web apps in Azure provides the ability to scale the platform automatically.	○	○
A platform as a service (PaaS) solution that hosts web apps in Azure provides professional development services to continuously add features to custom applications.	○	○

Hide Solution Discussion 127

Correct Answer:

Answer Area

Statements	Yes	No
A platform as a service (PaaS) solution that hosts web apps in Azure provides full control of the operating systems that host applications.	○	○
A platform as a service (PaaS) solution that hosts web apps in Azure provides the ability to scale the platform automatically.	○	○
A platform as a service (PaaS) solution that hosts web apps in Azure provides professional development services to continuously add features to custom applications.	○	○

Box 1: No -
A PaaS solution does not provide access to the operating system. The Azure Web Apps service provides an environment for you to host your web applications.
Behind the scenes, the web apps are hosted on virtual machines running IIS. However, you have no direct access to the virtual machine, the operating system or
IIS.

Box 2: Yes -
A PaaS solution that hosts web apps in Azure does provide the ability to scale the platform automatically. This is known as autoscaling. Behind the scenes, the web apps are hosted on virtual machines running IIS. Autoscaling means adding more load balanced virtual machines to host the web apps.

Box 3: Yes -
PaaS provides a framework that developers can build upon to develop or customize cloud-based applications. PaaS development tools can cut the time it takes to code new apps with pre-coded application components built into the platform, such as workflow, directory services, security features, search and so on.
References:
https://azure.microsoft.com/en-gb/overview/what-is-paas/

Question #2*Topic 1*

HOTSPOT -
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

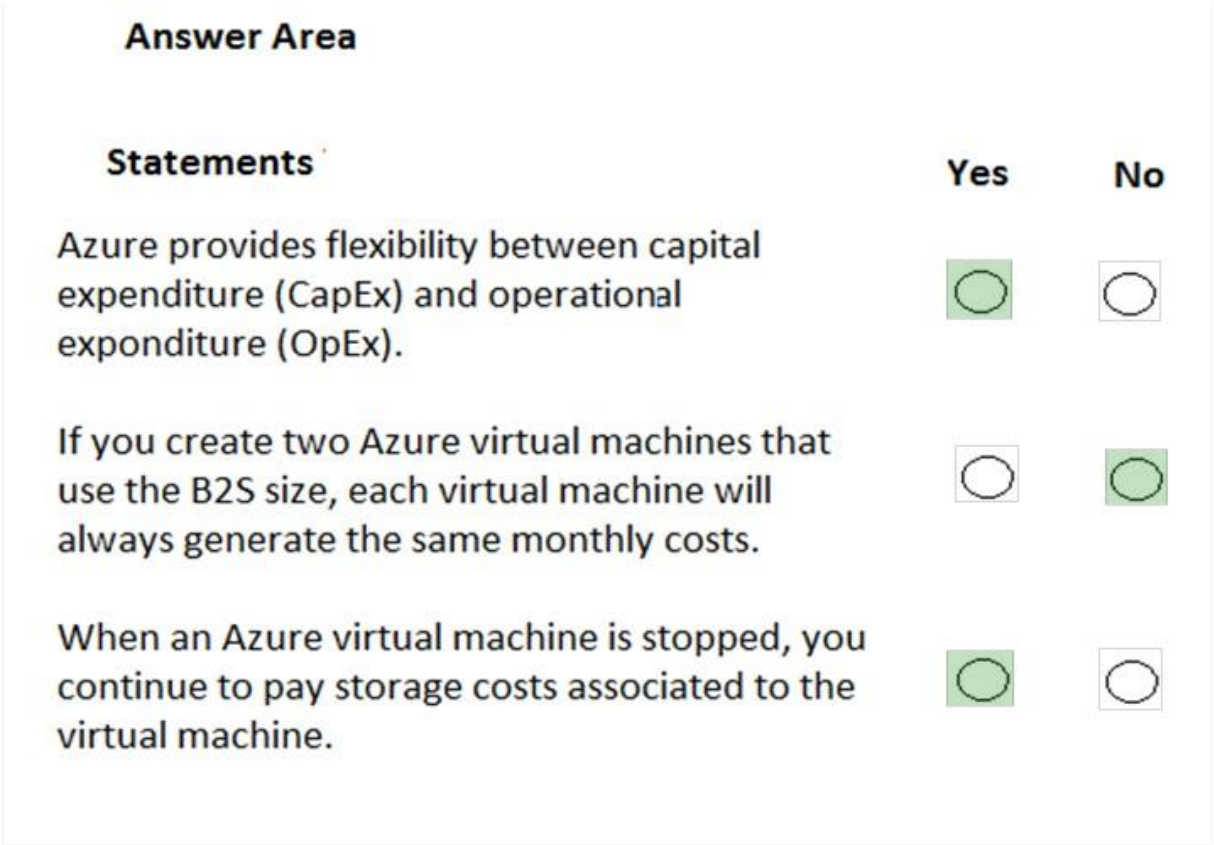
Hot Area:

Answer Area

Statements	Yes	No
Azure provides flexibility between capital expenditure (CapEx) and operational exponditure (OpEx).	○	○
If you create two Azure virtual machines that use the B2S size, each virtual machine will always generate the same monthly costs.	○	○
When an Azure virtual machine is stopped, you continue to pay storage costs associated to the virtual machine.	○	○

Hide Solution | Discussion 81

Correct Answer:



Box 1: Yes -
Traditionally, IT expenses have been considered a Capital Expenditure (CapEx). Today, with the move to the cloud and the pay-as-you-go model, organizations have the ability to stretch their budgets and are shifting their IT CapEx costs to Operating Expenditures (OpEx) instead. This flexibility, in accounting terms, is now an option due to the ‚€as a Service‚€ model of purchasing software, cloud storage and other IT related resources.

Box 2: No -
Two virtual machines using the same size could have different disk configurations. Therefore, the monthly costs could be different.

Box 3: Yes -
When an Azure virtual machine is stopped, you don't pay for the virtual machine. However, you do still pay for the storage costs associated to the virtual machine.
The most common storage costs are for the disks attached to the virtual machines. There are also other storage costs associated with a virtual machine such as storage for diagnostic data and virtual machine backups.
References:
https://meritsolutions.com/capex-vs-opex-cloud-computing-blog/

Question #3*Topic 1*

HOTSPOT -
To complete the sentence, select the appropriate option in the answer area.

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.

Hide Solution | Discussion 43

Correct Answer:

Answer Area

When you are implementing a Software as a Service (SaaS) solution, you are responsible for [configuring the SaaS solution.]

- configuring high availability.
- defining scalability rules.
- installing the SaaS solution.
- configuring the SaaS solution.

When you are implementing a Software as a Service (SaaS) solution, you are responsible for configuring the SaaS solution. Everything else is managed by the cloud provider.
SaaS requires the least amount of management. The cloud provider is responsible for managing everything, and the end user just uses the software.
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 which 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.
Reference:
https://azure.microsoft.com/en-in/overview/what-is-saas/
https://docs.microsoft.com/en-gb/learn/modules/principles-cloud-computing/5-types-of-cloud-services

Question #4 *Topic 1*

You have an on-premises network that contains several servers.
You plan to migrate all the servers to Azure.
You need to recommend a solution to ensure that some of the servers are available if a single

Azure data center goes offline for an extended period.
What should you include in the recommendation?

- A. fault tolerance **Most Voted**
- B. elasticity
- C. scalability
- D. low latency

Hide Solution | Discussion 49

Correct Answer: *A*

Fault tolerance is the ability of a system to continue to function in the event of a failure of some of its components.
In this question, you could have servers that are replicated across datacenters.
Availability zones expand the level of control you have to maintain the availability of the applications and data on your VMs. Availability Zones are unique physical locations within an Azure region. Each zone is made up of one or more datacenters equipped with independent power, cooling, and networking. To ensure resiliency, there are a minimum of three separate zones in all enabled regions. The physical separation of Availability Zones within a region protects applications and data from datacenter failures.
With Availability Zones, Azure offers industry best 99.99% VM uptime SLA. By architecting your solutions to use replicated VMs in zones, you can protect your applications and data from the loss of a datacenter. If one zone is compromised, then replicated apps and data are instantly available in another zone.
References:
https://docs.microsoft.com/en-us/azure/virtual-machines/windows/manage-availability

Community vote distribution

A (100%)

Question #5*Topic 1*

HOTSPOT -
To complete the sentence, select the appropriate option in the answer area.
Hot Area:

Answer Area

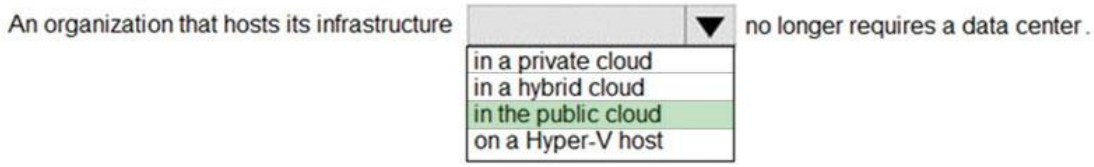
An organization that hosts its infrastructure [▼] no longer requires a data center.

- in a private cloud
- in a hybrid cloud
- in the public cloud
- on a Hyper-V host

Hide Solution | Discussion 39

Correct Answer:

Answer Area



A private cloud is hosted in your datacenter. Therefore, you cannot close your datacenter if you are using a private cloud.
A public cloud is hosted externally, for example, in Microsoft Azure. An organization that hosts its infrastructure in a public cloud can close its data center.
Public cloud is the most common deployment model. In this case, you have no local hardware to manage or keep up-to-date ‚€" everything runs on your cloud provider's hardware.
Microsoft Azure is an example of a public cloud provider.
In a private cloud, you create a cloud environment in your own datacenter and provide self-service access to compute resources to users in your organization.
This offers a simulation of a public cloud to your users, but you remain completely responsible for the purchase and maintenance of the hardware and software services you provide.
Reference:
https://docs.microsoft.com/en-gb/learn/modules/principles-cloud-computing/4-cloud-deployment-models

Next Questions

Question #6*Topic 1*

What are two characteristics of the public cloud? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

- A. dedicated hardware
- B. unsecured connections
- C. limited storage
- D. metered pricing **Most Voted**
- E. self-service management **Most Voted**

Hide Solution | Discussion 70

Correct Answer: *DE*
With the public cloud, you get pay-as-you-go pricing ‚€" you pay only for what you use, no CapEx costs.
With the public cloud, you have self-service management. You are responsible for the deployment and configuration of the cloud resources such as virtual machines or web sites. The underlying hardware that hosts the cloud resources is managed by the cloud provider.
Incorrect Answers:
A: You don't have dedicated hardware. The underlying hardware is shared so you could have multiple customers using cloud resources hosted on the same physical hardware.
B: Connections to the public cloud are secure.
C: Storage is not limited. You can have as much storage as you like.
References:

https://docs.microsoft.com/en-gb/learn/modules/principles-cloud-computing/4-cloud-deployment-models

Community vote distribution

DE (100%)

Question #7*Topic 1*

HOTSPOT -

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

When planning to migrate a public website to Azure, you must plan to [ ]

- deploy a VPN.
- pay monthly usage costs.
- pay to transfer all the website data to Azure.
- reduce the number of connections to the website.

Hide Solution | Discussion 46

Correct Answer:

Answer Area

When planning to migrate a public website to Azure, you must plan to [pay monthly usage costs.]

- deploy a VPN.
- pay monthly usage costs.
- pay to transfer all the website data to Azure.
- reduce the number of connections to the website.

When planning to migrate a public website to Azure, you must plan to pay monthly usage costs. This is because Azure uses the pay-as-you-go model.

Question #8*Topic 1*

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 SQL databases.
Does this meet the goal?

- A. Yes **Most Voted**
- B. No

Hide Solution | Discussion 42

Correct Answer: *A*
Azure App Service and Azure SQL databases are examples of Azure PaaS solutions. Therefore, this solution does meet the goal.
Community vote distribution
A (92%)
8%

Question #9 *Topic 1*

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 **Most Voted**

Hide Solution | Discussion 168

Correct Answer: *B*
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.
Community vote distribution
B (92%)
8%

Question #10 *Topic 1*

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 Storage accounts.
Does this meet the goal?

- A. Yes **Most Voted**
- B. No **Most Voted**

Hide Solution | Discussion 172

Correct Answer: *B*
Azure App Service is a PaaS (Platform as a Service) service. However, Azure Storage accounts are an IaaS (Infrastructure as a Service) service. Therefore, this solution does not meet the goal.

Community vote distribution

A (55%)
B (45%)

Previous Questions | Next Questions

Question #11 *Topic 1*

Your company hosts an accounting application named App1 that is used by all the customers of the company.
App1 has low usage during the first three weeks of each month and very high usage during the last week of each month.
Which benefit of Azure Cloud Services supports cost management for this type of usage pattern?

- A. high availability
- B. high latency
- C. elasticity
- D. load balancing

Hide Solution | Discussion 68

Correct Answer: *C*
Elasticity in this case is the ability to provide additional compute resource when needed and reduce the compute resource when not needed to reduce costs.
Autoscaling is an example of elasticity.
Elastic computing 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. Typically controlled by system monitoring tools, elastic computing matches the amount of resources allocated to the amount of resources actually needed without disrupting operations. With cloud elasticity, a company avoids paying for unused capacity or idle resources and doesn't have to worry about investing in the purchase or maintenance of additional resources and equipment.
References:
https://azure.microsoft.com/en-gb/overview/what-is-elastic-computing/

Community vote distribution

C (75%)
D (25%)

Question #12*Topic 1*

You plan to migrate a web application to Azure. The web application is accessed by external users.
You need to recommend a cloud deployment solution to minimize the amount of administrative effort used to manage the web application.
What should you include in the recommendation?

- A. Software as a Service (SaaS)
- B. Platform as a Service (PaaS) **Most Voted**
- C. Infrastructure as a Service (IaaS)
- D. Database as a Service (DaaS)

Hide Solution | Discussion 78

Correct Answer: *B*
Azure App Service is a platform-as-a-service (PaaS) offering that lets you create web and mobile apps for any platform or device and connect to data anywhere, in the cloud or on-premises. App Service includes the web and mobile capabilities that were previously delivered separately as Azure Websites and Azure Mobile
Services.
References:
https://docs.microsoft.com/en-us/azure/security/fundamentals/paas-applications-using-app-services

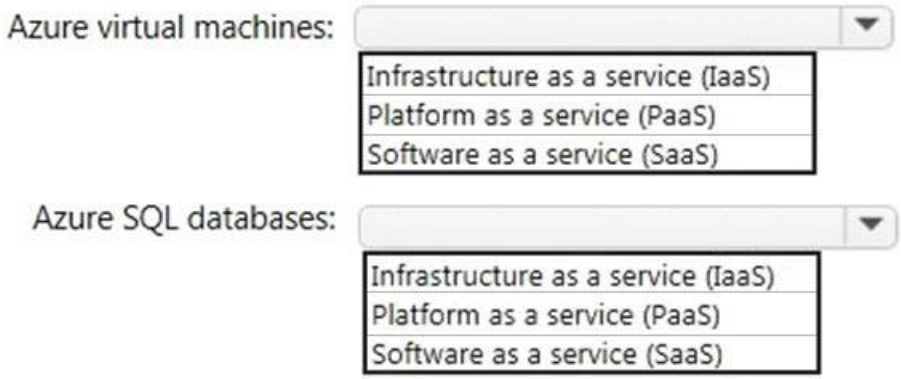
Community vote distribution

B (75%)
A (25%)

Question #13*Topic 1*

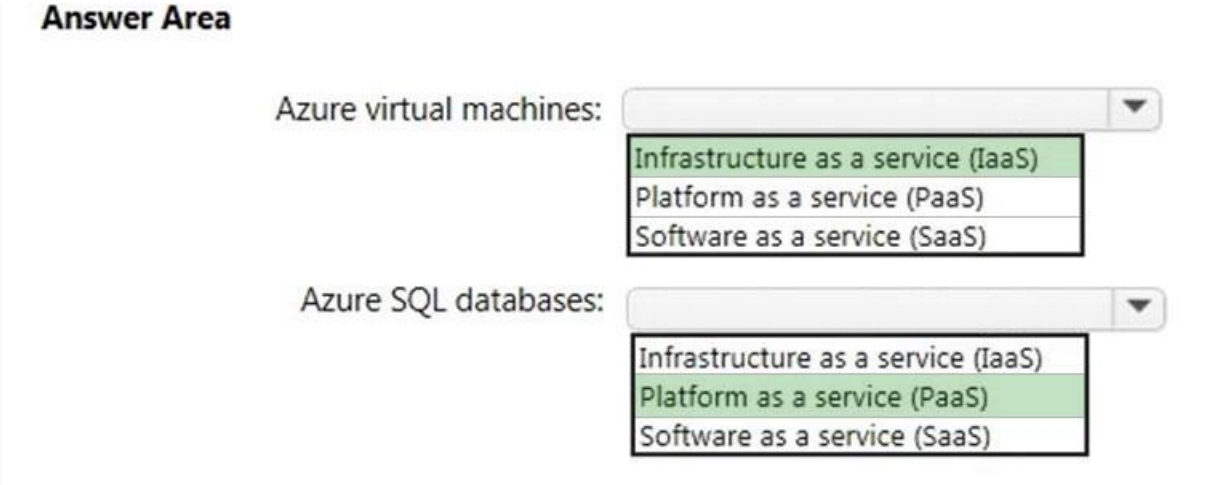
HOTSPOT -
Which cloud deployment solution is used for Azure virtual machines and Azure SQL databases? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.
Hot Area:

Answer Area



Hide Solution | Discussion 97

Correct Answer:



Box 1:
Azure virtual machines are Infrastructure as a Service (IaaS).
Infrastructure as a Service is the most flexible category of cloud services. It aims to give you complete control over the hardware that runs your application (IT infrastructure servers and virtual machines (VMs), storage, networks, and operating systems). Instead of buying hardware, with IaaS, you rent it.
Box 2:
Azure SQL databases are Platform as a Service (Paas).
Azure SQL Database is a fully managed Platform as a Service (PaaS) Database Engine that handles most of the database management functions such as upgrading, patching, backups, and monitoring without user involvement. Azure SQL Database is always running on the latest stable version of SQL Server
Database Engine and patched OS with 99.99% availability. PaaS capabilities that are built-in into Azure SQL database enable you to focus on the domain specific database administration and optimization activities that are critical for your business.
Reference:
https://docs.microsoft.com/en-gb/learn/modules/principles-cloud-computing/5-types-of-cloud-services https://docs.microsoft.com/en-us/azure/sql-database/sql-database-paas-index

Question #14*Topic 1*

You have an on-premises network that contains 100 servers.
You need to recommend a solution that provides additional resources to your users. The solution must minimize capital and operational expenditure costs.
What should you include in the recommendation?

- A. a complete migration to the public cloud
- B. an additional data center
- C. a private cloud
- D. a hybrid cloud

Hide Solution Discussion 424

Correct Answer: *D*
A hybrid cloud is a combination of a private cloud and a public cloud.
Capital expenditure is the spending of money up-front for infrastructure such as new servers. With a hybrid cloud, you can continue to use the on-premises servers while adding new servers in the public cloud (Azure for example). Adding new servers in

Azure minimizes the capital expenditure costs as you are not paying for new servers as you would if you deployed new server on-premises.
Incorrect Answers:
A: A complete migration of 100 servers to the public cloud would involve a lot of operational expenditure (the cost of migrating all the servers).
B: An additional data center would involve a lot of capital expenditure (the cost of the new infrastructure).
C: A private cloud is hosted on on-premises servers to this would involve a lot of capital expenditure (the cost of the new infrastructure to host the private cloud).
Reference:
https://docs.microsoft.com/en-gb/learn/modules/principles-cloud-computing/4-cloud-deployment-models

Community vote distribution

D (80%)
A (20%)

Question #15*Topic 1*

HOTSPOT -
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.
Hot Area:

Answer Area

Statements	Yes	No
To achieve a hybrid cloud model, a company must always migrate from a private cloud model.	○	○
A company can extend the capacity of its internal network by using the public cloud.	○	○
In a public cloud model, only guest users at your company can access the resources in the cloud.	○	○

Hide Solution Discussion 80

Correct Answer:

Answer Area

Statements	Yes	No
To achieve a hybrid cloud model, a company must always migrate from a private cloud model.	○	○
A company can extend the capacity of its internal network by using the public cloud.	○	○
In a public cloud model, only guest users at your company can access the resources in the cloud.	○	○

Box 1: No -
It is not true that a company must always migrate from a private cloud model to implement a hybrid cloud. You could start with a public cloud and then combine that with an on-premise infrastructure to implement a hybrid cloud.

Box 2: Yes -
A company can extend the capacity of its internal network by using the public cloud. This is

very common. When you need more capacity, rather than pay out for new on-premises infrastructure, you can configure a cloud environment and connect your on-premises network to the cloud environment by using a VPN.

Box 3: No -
It is not true that only guest users can access cloud resources. You can give anyone with an account in Azure Active Directory access to the cloud resources.
There are many authentication scenarios but a common one is to replicate your on-premises Active Directory accounts to Azure Active Directory and provide access to the Azure Active Directory accounts. Another commonly used authentication method is 'Federation' where authentication for access to cloud resources is passed to another authentication provider such as an on-premises Active Directory. https://azure.microsoft.com/en-gb/overview/what-is-hybrid-cloud-computing/

Previous Questions Next Questions

Question #16 *Topic 1*

You plan to migrate several servers from an on-premises network to Azure.
What is an advantage of using a public cloud service for the servers over an on-premises network?

- A. The public cloud is owned by the public, NOT a private corporation
- B. The public cloud is a crowd-sourcing solution that provides corporations with the ability to enhance the cloud
- C. All public cloud resources can be freely accessed by every member of the public
- D. The public cloud is a shared entity whereby multiple corporations each use a portion of the resources in the cloud

Hide Solution Discussion 42

Correct Answer: *D*
The public cloud is a shared entity whereby multiple corporations each use a portion of the resources in the cloud. The hardware resources (servers, infrastructure etc.) are managed by the cloud provider. Multiple companies create resources such as virtual machines and virtual networks on the hardware resources.
Incorrect Answers:
A: The public cloud is not owned by the public. In the case of Microsoft Azure, the cloud is owned by Microsoft.
B: The public cloud is a not crowd-sourcing solution. In the case of Microsoft Azure, the cloud is owned by Microsoft.
C: It is not true that public cloud resources can be freely accessed by every member of the public. You pay for a cloud subscription and create accounts for your users to access your cloud resources. No one can access your cloud resources until you create user accounts and provide the appropriate access permissions.
Community vote distribution

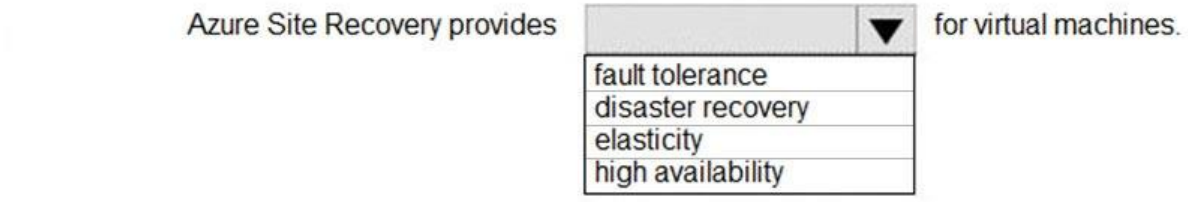
D (75%)
C (25%)

Question #17 *Topic 1*

HOTSPOT -
To complete the sentence, select the appropriate option in the answer area.

Hot Area:

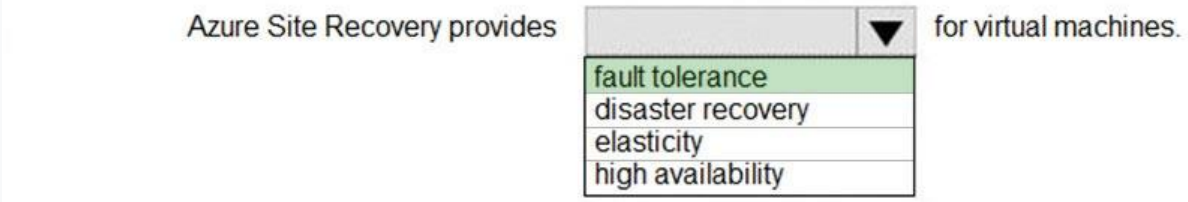
Answer Area



Hide Solution | Discussion 236

Correct Answer:

Answer Area



Azure Site Recovery helps ensure business continuity by keeping business apps and workloads running during outages. Site Recovery replicates workloads running on physical and virtual machines (VMs) from a primary site to a secondary location.
Reference:
https://docs.microsoft.com/en-us/azure/site-recovery/site-recovery-overview

Question #18 *Topic 1*

In which type of cloud model are all the hardware resources owned by a third-party and shared between multiple tenants?

- A. private
- B. hybrid
- C. public **Most Voted**

Hide Solution | Discussion 43

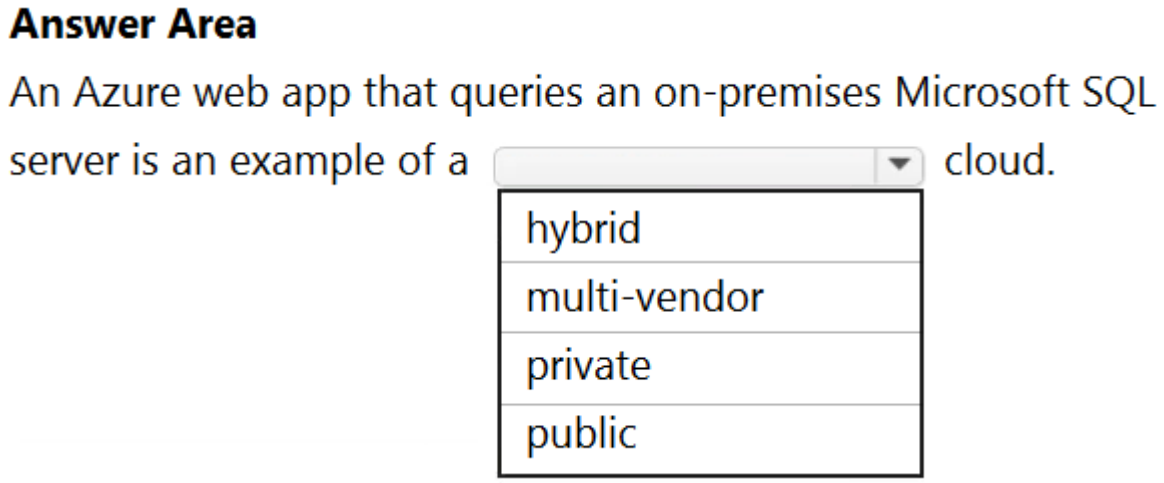
Correct Answer: *C*
Microsoft Azure, Amazon Web Services and Google Cloud are three examples of public cloud services.
Microsoft, Amazon and Google own the hardware. The tenants are the customers who use the public cloud services.

Community vote distribution

C (93%)
7%

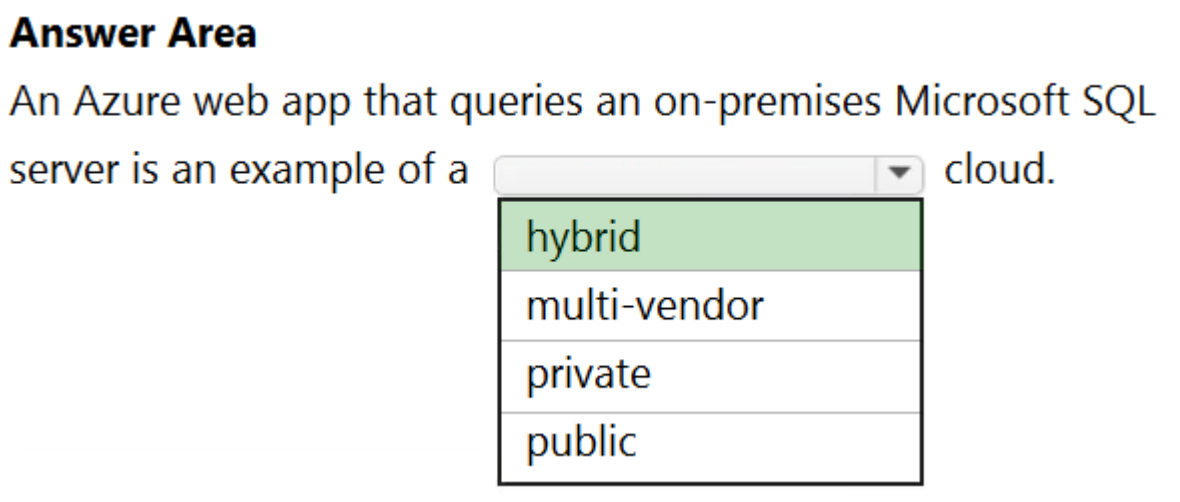
Question #19 *Topic 1*

HOTSPOT -
To complete the sentence, select the appropriate option in the answer area.
Hot Area:



Hide Solution Discussion 41

Correct Answer:



Reference:
https://azure.microsoft.com/en-gb/overview/what-is-hybrid-cloud-computing/

Question #20 *Topic 1*

You have 1,000 virtual machines hosted on the Hyper-V hosts in a data center.
You plan to migrate all the virtual machines to an Azure pay-as-you-go subscription.
You need to identify which expenditure model to use for the planned Azure solution.
Which expenditure model should you identify?

- A. operational **Most Voted**
- B. elastic
- C. capital
- D. scalable

Hide Solution Discussion 65

Correct Answer: *A*

One of the major changes that you will face when you move from on-premises cloud to the public cloud is the switch from capital expenditure (buying hardware) to operating expenditure (paying for service as you use it). This switch also requires more careful management of your costs. The benefit of the cloud is that you can fundamentally and positively affect the cost of a service you use by merely shutting down or resizing it when it's not needed.

Reference:

https://docs.microsoft.com/en-us/azure/architecture/cloud-adoption/appendix/azure-scaffold

Community vote distribution

A (100%)

Previous QuestionsNext Questions

Question #21*Topic 1*

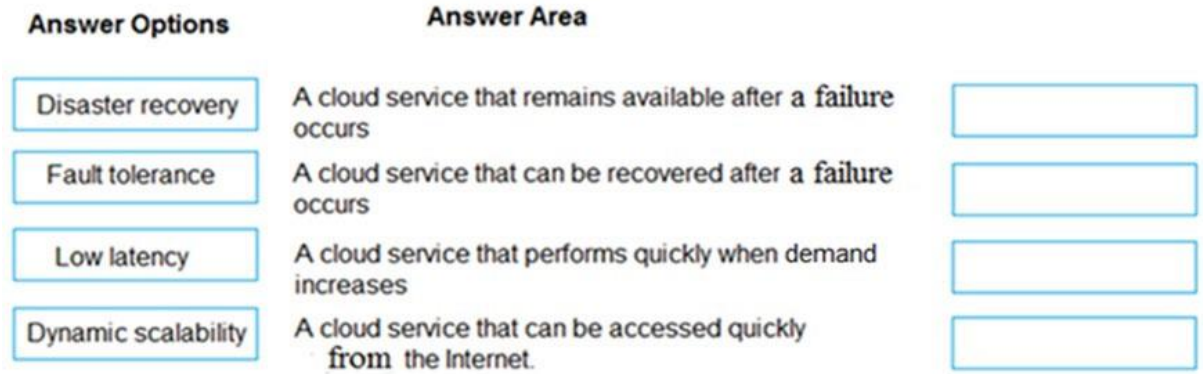
DRAG DROP -

Match the Azure Cloud Services benefit to the correct description.

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

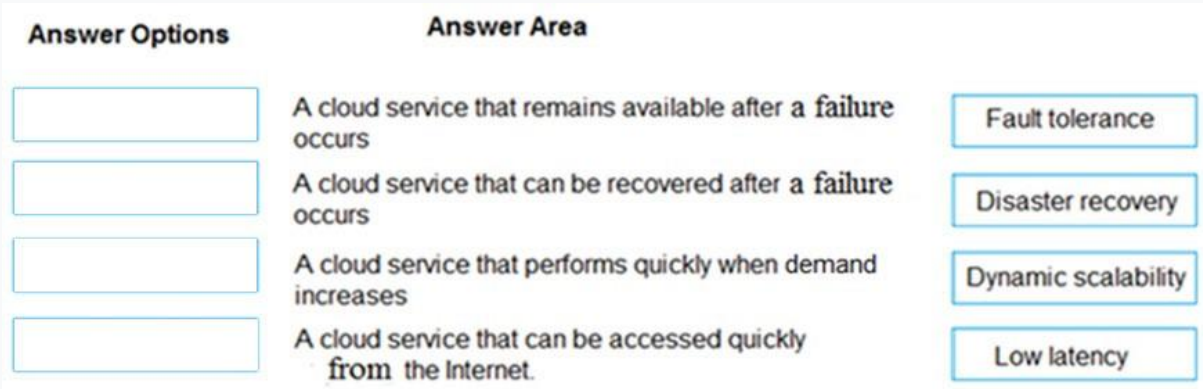
NOTE: Each correct match is worth one point.

Select and Place:



Hide Solution Discussion 31

Correct Answer:



Box 1:

Fault tolerance is the ability of a service to remain available after a failure of one of the components of the service. For example, a service running on multiple servers can withstand the failure of one of the servers.

Box 2:

Disaster recovery is the recovery of a service after a failure. For example, restoring a virtual machine from backup after a virtual machine failure.
Box 3:
Dynamic scalability is the ability for compute resources to be added to a service when the service is under heavy load. For example, in a virtual machine scale set, additional instances of the virtual machine are added when the existing virtual machines are under heavy load.
Box 4:
Latency is the time a service to respond to requests. For example, the time it takes for a web page to be returned from a web server. Low latency means low response time which means a quicker response.
References:
https://msdn.microsoft.com/en-us/magazine/mt422582.aspx
https://searchdisasterrecovery.techtarget.com/definition/cloud-disaster-recovery-cloud-DR
http://www.siasmsp.com/the-benefit-of-scalability-in-cloud-computing-2/
https://azure.microsoft.com/en-in/overview/what-is-cloud-computing/

Question #22*Topic 1*

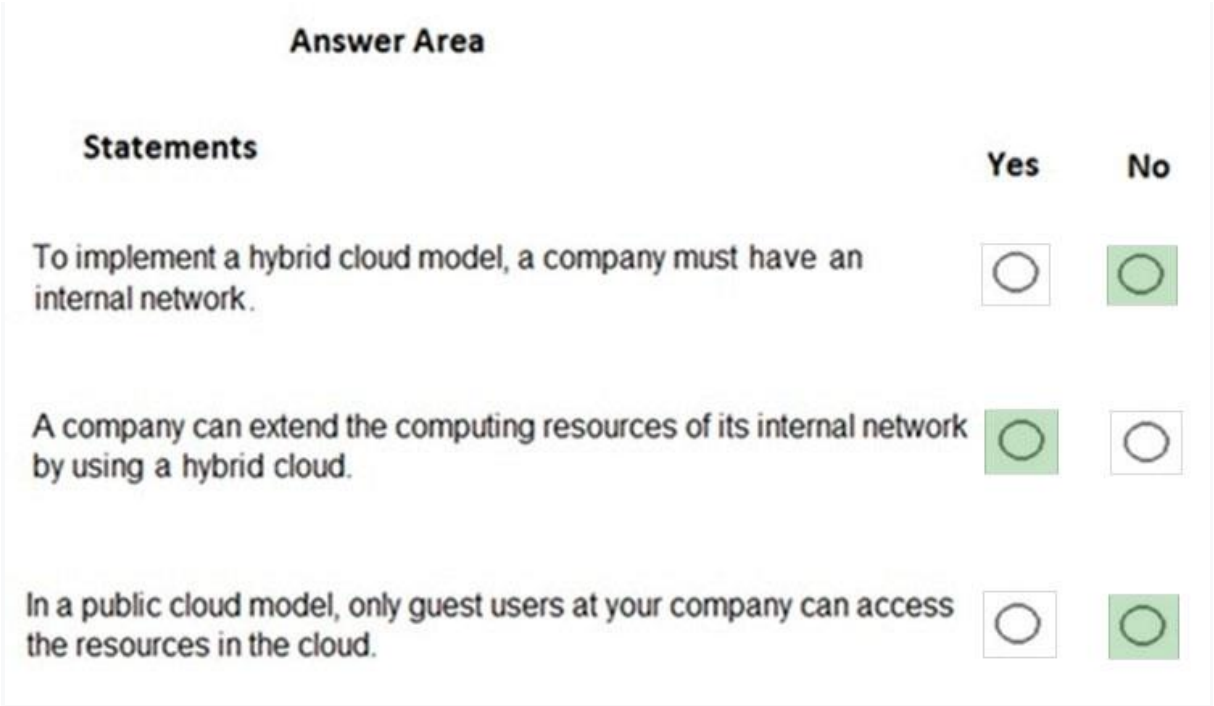
HOTSPOT -
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.
Hot Area:

Answer Area

Statements	Yes	No
To implement a hybrid cloud model, a company must have an internal network.	○	○
A company can extend the computing resources of its internal network by using a hybrid cloud.	○	○
In a public cloud model, only guest users at your company can access the resources in the cloud.	○	○

Hide Solution Discussion 113

Correct Answer:



Box 1: No -
It is not true that a company must always migrate from an internal network to implement a hybrid cloud. You could start with a public cloud and then combine that with an on-premise infrastructure to implement a hybrid cloud.

Box 2: Yes -
A company can extend the computing resources of its internal network by using the public cloud. This is very common. When you need more resources, rather than pay out for new on-premises infrastructure, you can configure a cloud environment and connect your on-premises network to the cloud environment by using a VPN.

Box 3: No -
It is not true that only guest users can access cloud resources. You can give anyone with an account in Azure Active Directory access to the cloud resources.
There are many authentication scenarios but a common one is to replicate your on-premises Active Directory accounts to Azure Active Directory and provide access to the Azure Active Directory accounts. Another commonly used authentication method is 'Federation' where authentication for access to cloud resources is passed to another authentication provider such as an on-premises Active Directory.
Reference:
https://azure.microsoft.com/en-gb/overview/what-is-hybrid-cloud-computing/

Question #23*Topic 1*

HOTSPOT -
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
A Platform as a Service (PaaS) solution provides full control of operating systems that host applications.	◯	◯
A Platform as a Service (PaaS) solution provides additional memory to apps by changing pricing tiers.	◯	◯
A Platform as a Service (PaaS) solution can automatically scale the number of instances.	◯	◯

Hide Solution | Discussion 119

Correct Answer:

Answer Area

Statements	Yes	No
A Platform as a Service (PaaS) solution provides full control of operating systems that host applications.	◯	◯
A Platform as a Service (PaaS) solution provides additional memory to apps by changing pricing tiers.	◯	◯
A Platform as a Service (PaaS) solution can automatically scale the number of instances.	◯	◯

Question #24 *Topic 1*

Your company has an on-premises network that contains multiple servers.
The company plans to reduce the following administrative responsibilities of network administrators:

- Backing up application data
- Replacing failed server hardware
- Managing physical server security
- Updating server operating systems
- Managing permissions to shared documents

The company plans to migrate several servers to Azure virtual machines.
You need to identify which administrative responsibilities will be eliminated after the planned migration.
Which two responsibilities should you identify? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

- A. Replacing failed server hardware
- B. Backing up application data
- C. Managing physical server security
- D. Updating server operating systems
- E. Managing permissions to shared documents

Hide Solution | Discussion 82

Correct Answer: *AC*

Azure virtual machines run on Hyper-V physical servers. The physical servers are owned and managed by Microsoft. As an Azure customer, you have no access to the physical servers. Microsoft manage the replacement of failed server hardware and the security of the physical servers so you don't need to.

Incorrect Answers:

B: Microsoft have no control over the applications you run on the virtual machines. Therefore, it is your responsibility to ensure that application data is backed up.

D: Microsoft do not manage the operating systems you run on the virtual machines. Therefore, it is your responsibility to ensure that the operating systems are updated.

E: Microsoft have no control over the shared folders you host on the virtual machines. Therefore, it is your responsibility to ensure that folder permissions are configured appropriately.

Question #25 *Topic 1*

HOTSPOT -

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Azure Pay-As-You-Go pricing is an example of CapEx.	○	○
Paying electricity for your datacenter is an example of OpEx.	○	○
Deploying your own datacenter is an example of CapEx.	○	○

Hide Solution | Discussion 122

Correct Answer:

Answer Area

Statements	Yes	No
Azure Pay-As-You-Go pricing is an example of CapEx.	○	○
Paying electricity for your datacenter is an example of OpEx.	○	○
Deploying your own datacenter is an example of CapEx.	○	○

One of the major changes that you will face when you move from on-premises cloud to the public cloud is the switch from capital expenditure (buying hardware) to operating

expenditure (paying for service as you use it).

Box 1: No -
With the pay-as-go model, you pay for services as you use them. This is Opex (Operational Expenditure), not CapEx (Captial Expenditure). CapEx is where you pay for something upfront. For example, buying a new physical server.

Box 2: No -
Paying for electricity for your own datacenter will be classed as CapEx, not OpEx.

Box 3: Yes -
Deploying your own datacenter is an example of CapEx. This is because you need to purchase all the infrastructure upfront before you can use it.
Reference:
https://docs.microsoft.com/en-us/azure/architecture/cloud-adoption/appendix/azure-scaffold

Previous QuestionsNext Questions

Question #26*Topic 1*

You plan to provision Infrastructure as a Service (IaaS) resources in Azure.
Which resource is an example of IaaS?

- A. an Azure web app
- B. an Azure virtual machine
- C. an Azure logic app
- D. an Azure SQL database

Hide Solution Discussion 37

Correct Answer: *B*
An Azure virtual machine is an example of Infrastructure as a Service (IaaS).
Azure web app, Azure logic app and Azure SQL database are all examples of Platform as a Service (Paas).
Reference:
https://azure.microsoft.com/en-gb/overview/what-is-iaas/
https://azure.microsoft.com/en-gb/overview/what-is-paas/
Community vote distribution
B (100%)

Question #27*Topic 1*

To which cloud models can you deploy physical servers?

- A. private cloud and hybrid cloud only
- B. private cloud only
- C. private cloud, hybrid cloud and public cloud
- D. hybrid cloud only

Hide Solution Discussion 44

Correct Answer: *A*
A private cloud is on-premises so you can deploy physical servers.
A hybrid cloud is a mix of on-premise and public cloud resources. You can deploy physical

servers on-premises.
Reference:
https://azure.microsoft.com/en-gb/overview/what-is-hybrid-cloud-computing/
Community vote distribution

A (100%)

Question #28*Topic 1*

DRAG DROP -
Match the cloud model to the correct advantage.
Instructions: To answer, drag the appropriate cloud model from the column on the left to its advantage on the right. Each cloud model may be used once, more than once, or not at all.
NOTE: Each correct match is worth one point
Select and Place:

Cloud model	Work Area	
Hybrid Cloud		No required capital expenditure.
Private Cloud		Provides complete control over security.
Public Cloud		Provides a choice to use on-premises or cloud-based resources.

Hide Solution Discussion 24

Correct Answer:

Cloud model	Work Area	
Hybrid Cloud	Public Cloud	No required capital expenditure.
Private Cloud	Private Cloud	Provides complete control over security.
Public Cloud	Hybrid Cloud	Provides a choice to use on-premises or cloud-based resources.

Box 1: Public Cloud -
With a public cloud, there is no capital expenditure on server hardware etc. You only pay for cloud resources that you use as you use them.

Box 2: Private Cloud -
A private cloud exists on premises, so you have complete control over security.

Box 3: Hybrid Cloud -
A hybrid cloud is a mix of public cloud resources and on-premises resources. Therefore, you have a choice to use either.

Question #29*Topic 1*

HOTSPOT -
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
A company can extend a private cloud by adding its own physical servers to the public cloud.	○	○
To build a hybrid cloud, you must deploy resources to the public cloud.	○	○
A private cloud must be disconnected from the internet.	○	○

Hide Solution | Discussion 79

Correct Answer:

Answer Area

Statements	Yes	No
A company can extend a private cloud by adding its own physical servers to the public cloud.	○	○
To build a hybrid cloud, you must deploy resources to the public cloud.	○	○
A private cloud must be disconnected from the internet.	○	○

Box 1: No -
You cannot add physical servers to the public cloud. You can only deploy virtual servers in the public cloud. You can extend a private cloud by deploying virtual servers in a public cloud. This would create a hybrid cloud.

Box 2: Yes -
A hybrid cloud is a combination of a private cloud and public cloud. Therefore, to create a hybrid cloud, you must deploy resources to a public cloud.
Box 3: No.
It is not true that a private cloud must be disconnected from the Internet. Private clouds can be and most commonly are connected to the Internet. ¡€Private cloud¡€ means that the physical servers are managed by you. It does not mean that it is disconnected from the Internet.
Reference:
https://azure.microsoft.com/en-gb/overview/what-are-private-public-hybrid-clouds/

Question #30*Topic 1*

You have 50 virtual machines hosted on-premises and 50 virtual machines hosted in Azure. The on-premises virtual machines and the Azure virtual machines connect to each other. Which type of cloud model is this?

- A. hybrid
- B. private
- C. public

Hide Solution Discussion 25

Correct Answer: *A*

References:
https://azure.microsoft.com/en-gb/overview/what-is-hybrid-cloud-computing/

Community vote distribution

A (100%)

Previous QuestionsNext Questions

Question #31*Topic 1*

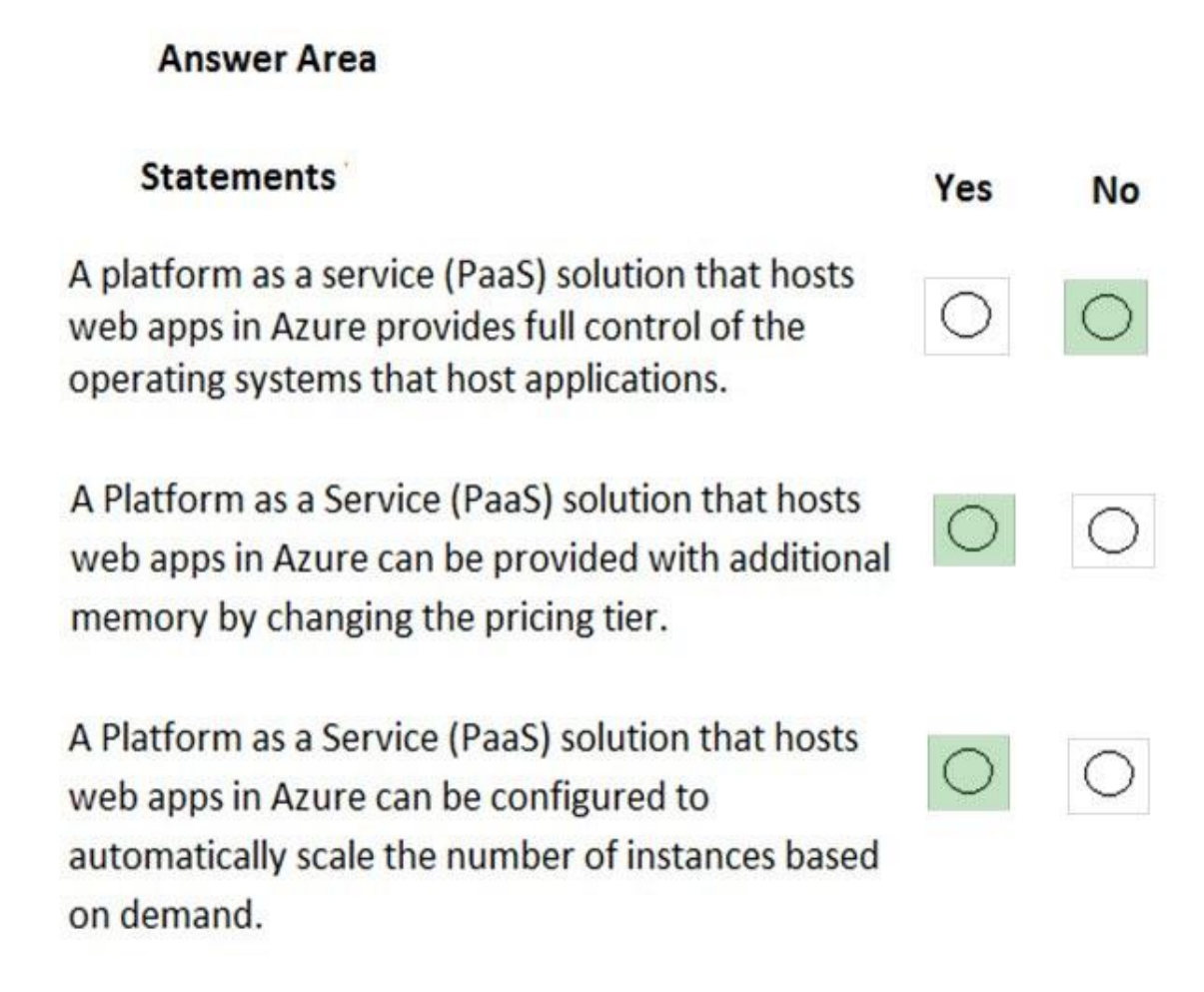
HOTSPOT -
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.
Hot Area:

Answer Area

Statements	Yes	No
A platform as a service (PaaS) solution that hosts web apps in Azure provides full control of the operating systems that host applications.	○	○
A Platform as a Service (PaaS) solution that hosts web apps in Azure can be provided with additional memory by changing the pricing tier.	○	○
A Platform as a Service (PaaS) solution that hosts web apps in Azure can be configured to automatically scale the number of instances based on demand.	○	○

Hide Solution Discussion 58

Correct Answer:



Box 1: No -
A PaaS solution does not provide access to the operating system. The Azure Web Apps service provides an environment for you to host your web applications.
Behind the scenes, the web apps are hosted on virtual machines running IIS. However, you have no direct access to the virtual machine, the operating system or
IIS.

Box 2: Yes -

Box 3: Yes -
A PaaS solution that hosts web apps in Azure does provide the ability to scale the platform automatically. This is known as autoscaling. Behind the scenes, the web apps are hosted on virtual machines running IIS. Autoscaling means adding more load balanced virtual machines to host the web apps.
References:
https://azure.microsoft.com/en-gb/overview/what-is-paas/

Question #32 *Topic 1*

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 Azure virtual machines, Azure SQL databases, and Azure Storage accounts.
Does this meet the goal?

- A. Yes
- B. No **Most Voted**

Hide Solution | Discussion 43

Correct Answer: *B*
Platform as a service (PaaS) is a complete development and deployment environment in the cloud. PaaS includes infrastructure ‚€" servers, storage, and networking ‚€" but also middleware, development tools, business intelligence (BI) services, database management systems, and more. PaaS is designed to support the complete web application lifecycle: building, testing, deploying, managing, and updating.
However, virtual machines are examples of Infrastructure as a service (IaaS). IaaS is an instant computing infrastructure, provisioned and managed over the internet.
References:
https://azure.microsoft.com/en-us/overview/what-is-paas/
https://azure.microsoft.com/en-us/overview/what-is-iaas/
Community vote distribution
B (88%)
13%

Question #33*Topic 1*

Your company plans to deploy several custom applications to Azure. The applications will provide invoicing services to the customers of the company. Each application will have several prerequisite applications and services installed.
You need to recommend a cloud deployment solution for all the applications.
What should you recommend?

- A. Software as a Service (SaaS)
- B. Platform as a Service (PaaS)
- C. Infrastructure as a Service (laaS) **Most Voted**

Hide Solution | Discussion 88

Correct Answer: *C*
Infrastructure as a service (IaaS) is an instant computing infrastructure, provisioned and managed over the internet. The IaaS service provider manages the infrastructure, while you purchase, install, configure, and manage your own software
Incorrect Answers:

A: 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. In this scenario, you need to run your own apps, and therefore require an infrastructure.
B:
Platform as a service (PaaS) is a complete development and deployment environment in the cloud. PaaS includes infrastructure—servers, storage, and networking—but also middleware, development tools, business intelligence (BI) services, database management systems, and more. PaaS is designed to support the complete web application lifecycle: building, testing, deploying, managing, and updating.
References:
https://azure.microsoft.com/en-us/overview/what-is-iaas/
https://azure.microsoft.com/en-us/overview/what-is-saas/
https://azure.microsoft.com/en-us/overview/what-is-paas/

Community vote distribution

C (70%)
B (30%)

Question #34*Topic 1*

HOTSPOT -
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.
Hot Area:

Answer Area

Statements	Yes	No
Building a data center infrastructure is an example of operational expenditure (OpEx) costs.	○	○
Monthly salaries for technical personnel are an example of operational expenditure (OpEx) costs.	○	○
Leasing software is an example of operational expenditure (OpEx) costs.	○	○

Hide Solution Discussion 52

Correct Answer:

Answer Area

Statements	Yes	No
Building a data center infrastructure is an example of operational expenditure (OpEx) costs.	○	●
Monthly salaries for technical personnel are an example of operational expenditure (OpEx) costs.	●	○
Leasing software is an example of operational expenditure (OpEx) costs.	●	○

Box 1: No -
Building a data center infrastructure is capital expenditure, not operation expenditure.

Box 2: Yes -
OpEx is ongoing costs (costs of operations) such as staff salaries.

Box 2: Yes -
OpEx is ongoing costs (costs of operations) such as leasing software. If you purchased software as a one-off purchase, that would be CapEx, but leasing software is ongoing so it's OpEx.

Question #35*Topic 1*

HOTSPOT -
To complete the sentence, select the appropriate option in the answer area.
Hot Area:

Answer Area

Azure Cosmos DB is an example of a [▼] offering.

- platform as a service (PaaS)
- infrastructure as a service (IaaS)
- serverless
- software as a service (SaaS)

Hide Solution | Discussion 26

Correct Answer:

Answer Area

Azure Cosmos DB is an example of a [▼] offering.

- platform as a service (PaaS)
- infrastructure as a service (IaaS)
- serverless
- software as a service (SaaS)

Azure Cosmos DB is an example of a platform as a service (PaaS) cloud database provider.
Reference:
https://docs.microsoft.com/en-us/azure/cosmos-db/database-security

Previous QuestionsNext Questions

Question #36*Topic 1*

HOTSPOT -
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.
Hot Area:

Answer Area

Statements	Yes	No
With software as a service (SaaS), you must apply software updates.	○	○
With infrastructure as a service (IaaS), you must install the software that you want to use.	○	○
Azure Backup is an example of platform as a service (PaaS).	○	○

Hide Solution Discussion 46

Correct Answer:

Answer Area

Statements	Yes	No
With software as a service (SaaS), you must apply software updates.	○	●
With infrastructure as a service (IaaS), you must install the software that you want to use.	●	○
Azure Backup is an example of platform as a service (PaaS).	●	○

Reference:

https://azure.microsoft.com/en-us/overview/what-is-saas/
https://azure.microsoft.com/en-us/overview/what-is-iaas/
https://azure.microsoft.com/en-us/overview/what-is-paas/

Question #37 *Topic 1*

HOTSPOT -
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.
Hot Area:

Answer Area

Statements	Yes	No
You can create a resource group inside of an other resource group.	○	○
An Azure virtual machine can be in multiple resource groups.	○	○
A resource group can contain resources from multiple Azure regions.	○	○

Hide Solution | Discussion 27

Correct Answer:

Answer Area

Statements	Yes	No
You can create a resource group inside of an other resource group.	○	●
An Azure virtual machine can be in multiple resource groups.	○	●
A resource group can contain resources from multiple Azure regions.	●	○

Box 1: No -

Box 2: No -
Each resource can exist in only one resource group.

Box 3: Yes -
Resources from multiple different regions can be placed in a resource group. The resource group only contains metadata about the resources it contains.
Reference:
https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-group-overview
https://www.codeisahighway.com/effective-ways-to-delete-resources-in-a-resource-group-on-azure/

Question #38 *Topic 1*

HOTSPOT -
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Microsoft SQL Server 2019 installed on an Azure virtual machine is an example of platform as a service (PaaS).	○	○
Azure SQL Database is an example of platform as a service (PaaS).	○	○
Azure Cosmos DB is an example of software as a service (SaaS).	○	○

Hide Solution Discussion 124

Correct Answer:

Answer Area

Statements	Yes	No
Microsoft SQL Server 2019 installed on an Azure virtual machine is an example of platform as a service (PaaS).	○	●
Azure SQL Database is an example of platform as a service (PaaS).	●	○
Azure Cosmos DB is an example of software as a service (SaaS).	●	○

Reference:
https://docs.microsoft.com/en-us/azure/azure-sql/azure-sql-iaas-vs-paas-what-is-overview
https://www.red-gate.com/simple-talk/cloud/azure/overview-of-azure-cosmos-db

Question #39 *Topic 1*

HOTSPOT -
To complete the sentence, select the appropriate option in the answer area.
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).

Hide Solution Discussion 27

Correct Answer:

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).

Reference:
https://docs.microsoft.com/en-us/azure/azure-sql/azure-sql-iaas-vs-paas-what-is-overview

Question #40 *Topic 1*

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's migration plan.
What should you create?

- A. Azure virtual machines, Azure SQL databases, and Azure Storage accounts.
- B. an Azure App Service and Azure virtual machines that have Microsoft SQL Server installed.
- C. an Azure App Service and Azure SQL databases. **Most Voted**
- D. Azure storage account and web server in Azure virtual machines.

Hide Solution | Discussion 26

Correct Answer: *C*
Azure App Service and Azure SQL databases are examples of Azure PaaS solutions.
Therefore, this solution does meet the goal.
Community vote distribution
C (100%)

Previous QuestionsNext Questions

Question #41 *Topic 1*

HOTSPOT -
To complete the sentence, select the appropriate option in the answer area.
Hot Area:

Answer Area

You plan to deploy 20 virtual machines to an Azure environment. To ensure that a virtual machine named VM1 cannot connect to the other virtual machines, VM1 must [ ]

- be deployed to a separate virtual network.
- run a different operating system than the other virtual machines.
- be deployed to a separate resource group.
- have two network interfaces.

Hide Solution | Discussion 21

Correct Answer:

Answer Area

You plan to deploy 20 virtual machines to an Azure environment. To ensure that a virtual machine named VM1 cannot connect to the other virtual machines, VM1 must [ ]

- be deployed to a separate virtual network.
- run a different operating system than the other virtual machines.
- be deployed to a separate resource group.
- have two network interfaces.

Azure automatically routes traffic between subnets in a virtual network. Therefore, all virtual machines in a virtual network can connect to the other virtual machines in the same virtual network. Even if the virtual machines are on separate subnets within the virtual network, they can still communicate with each other.
To ensure that a virtual machine cannot connect to the other virtual machines, the virtual machine must be deployed to a separate virtual network.
Reference:
https://docs.microsoft.com/en-us/azure/virtual-network/virtual-networks-udr-overview

Question #42 *Topic 1*

HOTSPOT -
To complete the sentence, select the appropriate option in the answer area.
Hot Area:

Answer Area

When you need to delegate permissions to several Azure virtual machines simultaneously, you must deploy the Azure virtual machines [ ]

- to the same Azure region.
- by using the same Azure Resource Manager template.
- to the same resource group.
- to the same availability zone.

Hide Solution | Discussion 20

Correct Answer:

Answer Area

When you need to delegate permissions to several Azure virtual machines simultaneously, you must deploy the Azure virtual machines [ ]

- to the same Azure region.
- by using the same Azure Resource Manager template.
- to the same resource group.
- to the same availability zone.

A resource group is a logical container for Azure resources. Resource groups make the management of Azure resources easier.
With a resource group, you can allow a user to manage all resources in the resource group, such as virtual machines, websites, and subnets. The permissions you apply to the resource group apply to all resources contained in the resource group.
Reference:
https://docs.microsoft.com/en-us/azure/azure-resource-manager/management/overview#resource-groups https://docs.microsoft.com/en-us/azure/role-based-access-control/overview

Question #43 *Topic 1*

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.
You plan to deploy several Azure virtual machines.
You need to ensure that the services running on the virtual machines are available if a single data center fails.
Solution: You deploy the virtual machines to two or more availability zones.
Does this meet the goal?

- A. Yes **Most Voted**
- B. No

Hide Solution Discussion 43

Correct Answer: *A*
Availability zones expand the level of control you have to maintain the availability of the applications and data on your VMs. An Availability Zone is a physically separate zone, within an Azure region. There are three Availability Zones per supported Azure region. Each Availability Zone has a distinct power source, network, and cooling. By architecting your solutions to use replicated VMs in zones, you can protect your apps and data from the loss of a datacenter. If one zone is compromised, then replicated apps and data are instantly available in another zone.
Reference:
https://docs.microsoft.com/en-us/azure/virtual-machine-scale-sets/availability
Community vote distribution
A (100%)

Question #44*Topic 1*
This question requires that you evaluate the underlined text to determine if it is correct.
One of the benefits of Azure SQL Data Warehouse is that high availability is built into the platform.
Instructions: Review the underlined text. If it makes the statement correct, select ‚€No change is needed‚€. If the statement is incorrect, select the answer choice that makes the statement correct.

- A. No change is needed **Most Voted**
- B. automatic scaling
- C. data compression
- D. versioning

Hide Solution Discussion 81

Correct Answer: *A*
Azure Data Warehouse (now known as Azure Synapse Analytics) is a PaaS offering from Microsoft. As with all PaaS services from Microsoft, SQL Data
Warehouse offers an availability SLA of 99.9%. Microsoft can offer 99.9% availability because it has high availability features built into the platform.
References:
https://docs.microsoft.com/en-us/azure/sql-data-warehouse/sql-data-warehouse-overview-faq
Community vote distribution
A (100%)

Question #45*Topic 1*

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.
You plan to deploy several Azure virtual machines.
You need to ensure that the services running on the virtual machines are available if a single data center fails.
Solution: You deploy the virtual machines to two or more regions.
Does this meet the goal?

- A. Yes **Most Voted**
- B. No

Hide Solution Discussion 253

Correct Answer: *A*
By deploying the virtual machines to two or more regions, you are deploying the virtual machines to multiple datacenters. This will ensure that the services running on the virtual machines are available if a single data center fails.
Azure operates in multiple datacenters around the world. These datacenters are grouped in to geographic regions, giving you flexibility in choosing where to build your applications.
You create Azure resources in defined geographic regions like 'West US', 'North Europe', or 'Southeast Asia'. You can review the list of regions and their locations.
Within each region, multiple datacenters exist to provide for redundancy and availability.
Reference:
https://docs.microsoft.com/en-us/azure/virtual-machines/windows/regions
Community vote distribution
A (69%)
B (31%)

Previous QuestionsNext Questions

Question #46*Topic 1*

HOTSPOT -
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.
Hot Area:

Answer Area

Statements	Yes	No
Azure resources can only access other resources in the same resource group.	○	○
If you delete a resource group, all the resources in the resource group will be deleted.	○	○
A resource group can contain resources from multiple Azure regions.	○	○

Hide Solution | Discussion 55

Correct Answer:

Answer Area

Statements	Yes	No
Azure resources can only access other resources in the same resource group.	○	○
If you delete a resource group, all the resources in the resource group will be deleted.	○	○
A resource group can contain resources from multiple Azure regions.	○	○

Box 1: No -
A resource can interact with resources in other resource groups.

Box 2: Yes -
Deleting the resource group will remove the resource group as well as all the resources in that resource group. This can be useful for the management of resources. For example, a virtual machine has several components (the VM itself, virtual disks, network adapter etc.). By placing the VM in its own resource group, you can delete the VM along with all its associated components by deleting the resource group.
Another example is when creating a test environment. You could place the entire test environment (Network components, virtual machines etc.) in one resource group. You can then delete the entire test environment by deleting the resource group.

Box 3: Yes -
Resources from multiple different regions can be placed in a resource group. The resource group only contains metadata about the resources it contains.
References:
https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-group-overview
https://www.codeisahighway.com/effective-ways-to-delete-resources-in-a-resource-group-on-azure/

Question #47 *Topic 1*

You plan to store 20 TB of data in Azure. The data will be accessed infrequently and visualized by using Microsoft Power BI.
You need to recommend a storage solution for the data.
Which two solutions should you recommend? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

- A. Azure Data Lake
- B. Azure Cosmos DB
- C. Azure SQL Data Warehouse
- D. Azure SQL Database
- E. Azure Database for PostgreSQL

Hide Solution | Discussion 38

Correct Answer: *AC*
You can use Power BI to analyze and visualize data stored in Azure Data Lake and Azure SQL Data Warehouse.
Azure Data Lake includes all of the capabilities required to make it easy for developers, data scientists and analysts to store data of any size and shape and at any speed, and do all types of processing and analytics across platforms and languages. It removes the complexities of ingesting and storing all your data while making it faster to get up and running with batch, streaming and interactive analytics. It also integrates seamlessly with operational stores and data warehouses so that you can extend current data applications.
References:
https://docs.microsoft.com/en-us/azure/data-lake-store/data-lake-store-power-bi
https://azure.microsoft.com/en-gb/solutions/data-lake/ https://docs.microsoft.com/en-us/azure/data-lake-store/data-lake-store-power-bi
Community vote distribution

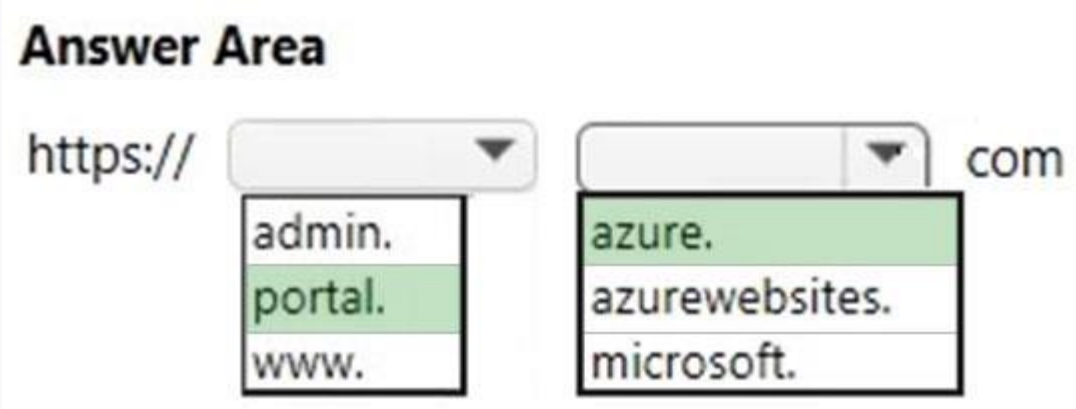
AC (100%)

Question #48*Topic 1*

HOTSPOT -
You have an Azure environment that contains 10 web apps. To which URL should you connect to manage all the Azure resources? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.
Hot Area:

Hide Solution | Discussion 29

Correct Answer:



The Azure portal is a web-based management interface where you can view and manage all your Azure resources in one unified hub, including web apps, databases, virtual machines, virtual networks, storage and Visual Studio team projects.
The URL of the Azure portal is https://portal.azure.com.
References:
https://azure.microsoft.com/en-gb/features/azure-portal/

Question #49 *Topic 1*

You need to identify the type of failure for which an Azure Availability Zone can be used to protect access to Azure services.
What should you identify?

- A. a physical server failure
- B. an Azure region failure
- C. a storage failure
- D. an Azure data center failure

Hide Solution | Discussion 37

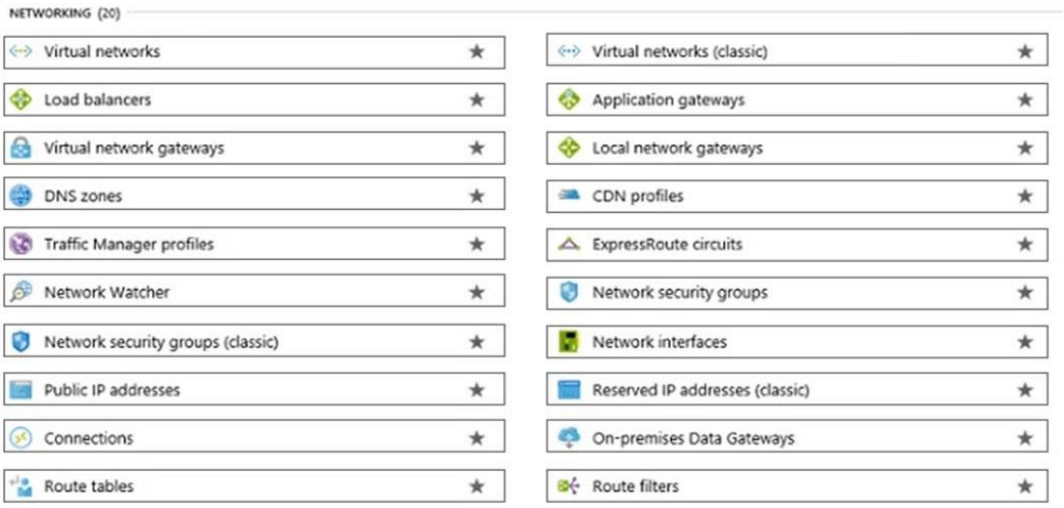
Correct Answer: *D*
Availability zones expand the level of control you have to maintain the availability of the applications and data on your VMs. An Availability Zone is a physically separate zone, within an Azure region. There are three Availability Zones per supported Azure region.
Each Availability Zone has a distinct power source, network, and cooling. By architecting your solutions to use replicated VMs in zones, you can protect your apps and data from the loss of a datacenter. If one zone is compromised, then replicated apps and data are instantly available in another zone.
Reference:
https://docs.microsoft.com/en-us/azure/virtual-machines/availability
Community vote distribution
D (100%)

Question #50 *Topic 1*

HOTSPOT -
You plan to extend your company's network to Azure. The network contains a VPN appliance that uses an IP address of 131.107.200.1.
You need to create an Azure resource that defines the VPN appliance in Azure.
Which Azure resource should you create? To answer, select the appropriate resource in the answer area.

Hot Area:

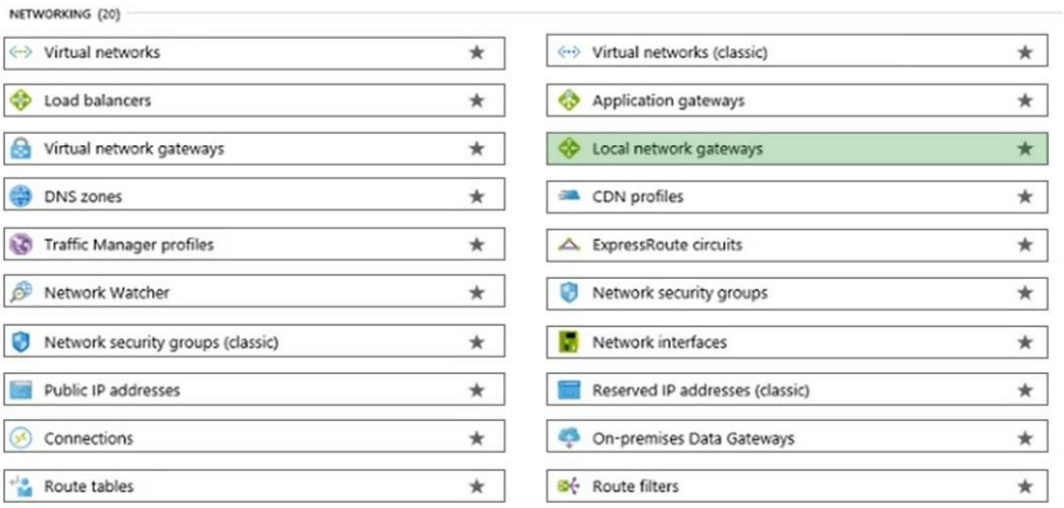
Answer Area



Hide Solution Discussion 27

Correct Answer:

Answer Area



A Local Network Gateway is an object in Azure that represents your on-premise VPN device. A Virtual Network Gateway is the VPN object at the Azure end of the VPN. A 'connection' is what connects the Local Network Gateway an the Virtual Network Gateway to bring up the VPN.

The local network gateway typically refers to your on-premises location. You give the site a name by which Azure can refer to it, then specify the IP address of the on-premises VPN device to which you will create a connection. You also specify the IP address prefixes that will be routed through the VPN gateway to the VPN device. The address prefixes you specify are the prefixes located on your on-premises network. If your on-premises network changes or you need to change the public IP address for the VPN device, you can easily update the values later.

References:

https://docs.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-howto-site-to-site-resource-manager-portal

Question #51 *Topic 1*

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.
You plan to deploy several Azure virtual machines.
You need to ensure that the services running on the virtual machines are available if a single data center fails.
Solution: You deploy the virtual machines to two or more resource groups.
Does this meet the goal?

- A. Yes
- B. No **Most Voted**

Hide Solution Discussion 29

Correct Answer: *B*
A resource group is a logical container for Azure resources. When you create a resource group, you specify which location to create the resource group in.
However, when you create a virtual machine and place it in the resource group, the virtual machine can still be in a different location (different datacenter).
Therefore, creating multiple resource groups, even if they are in separate datacenters does not ensure that the services running on the virtual machines are available if a single data center fails.
References:
https://docs.microsoft.com/en-us/azure/azure-resource-manager/management/overview#resource-groups
Community vote distribution
B (100%)

Question #52 *Topic 1*

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.
You plan to deploy several Azure virtual machines.
You need to ensure that the services running on the virtual machines are available if a single data center fails.
Solution: You deploy the virtual machines to a scale set.
Does this meet the goal?

- A. Yes
- B. No

Hide Solution Discussion 14

Correct Answer: *B*

This answer does not specify that the scale set will be configured across multiple data centers so this solution does not meet the goal.

Azure virtual machine scale sets let you create and manage a group of load balanced VMs. The number of VM instances can automatically increase or decrease in response to demand or a defined schedule. Scale sets provide high availability to your applications, and allow you to centrally manage, configure, and update many VMs.

Virtual machines in a scale set can be deployed across multiple update domains and fault domains to maximize availability and resilience to outages due to data center outages, and planned or unplanned maintenance events.

Reference:

https://docs.microsoft.com/en-us/azure/virtual-machine-scale-sets/availability

Question #53 *Topic 1*

HOTSPOT -

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
An Azure subscription can be associated to multiple Azure Active Directory (Azure AD) tenants.	○	○
You can change the Azure Active Directory (Azure AD) tenant to which an Azure subscription is associated.	○	○
When an Azure subscription expires, the associated Azure Active Directory (Azure AD) tenant is deleted automatically.	○	○

Hide Solution Discussion 37

Correct Answer:

Answer Area

Statements	Yes	No
An Azure subscription can be associated to multiple Azure Active Directory (Azure AD) tenants.	○	○
You can change the Azure Active Directory (Azure AD) tenant to which an Azure subscription is associated.	○	○
When an Azure subscription expires, the associated Azure Active Directory (Azure AD) tenant is deleted automatically.	○	○

Box 1: No -
An Azure AD tenant can have multiple subscriptions but an Azure subscription can only be associated with one Azure AD tenant.

Box 2: Yes -

Box 3: No -
If your subscription expires, you lose access to all the other resources associated with the subscription. However, the Azure AD directory remains in Azure. You can associate and manage the directory using a different Azure subscription.
References:
https://docs.microsoft.com/en-us/azure/active-directory/fundamentals/active-directory-how-subscriptions-associated-directory

Question #54 *Topic 1*

This question requires that you evaluate the underlined text to determine if it is correct.
Resource groups provide organizations with the ability to manage the compliance of Azure resources across multiple subscriptions.
Instructions: Review the underlined text. If it makes the statement correct, select ‚€No change is needed‚€. If the statement is incorrect, select the answer choice that makes the statement correct.

- A. No change is needed
- B. Management groups **Most Voted**
- C. Azure policies
- D. Azure App Service plans

Hide Solution | Discussion 262

Correct Answer: *C*
Azure policies can be used to define requirements for resource properties during deployment and for already existing resources. Azure Policy controls properties such as the types or locations of resources.
Azure Policy is a service in Azure that you use to create, assign, and manage policies. These policies enforce different rules and effects over your resources, so those resources stay compliant with your corporate standards and service level agreements. Azure Policy meets this need by evaluating your resources for non- compliance with assigned policies. All data stored by Azure Policy is encrypted at rest.
For example, you can have a policy to allow only a certain SKU size of virtual machines in your environment. Once this policy is implemented, new and existing resources are evaluated for compliance. With the right type of policy, existing resources can be brought into compliance.
References:
https://docs.microsoft.com/en-us/azure/governance/policy/overview
Community vote distribution

B (69%)
C (31%)

Question #55 *Topic 1*

Your company plans to migrate to Azure. The company has several departments. All the Azure resources used by each department will be managed by a department administrator.

What are two possible techniques to segment Azure for the departments? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

- A. multiple subscriptions **Most Voted**
- B. multiple Azure Active Directory (Azure AD) directories
- C. multiple regions
- D. multiple resource groups **Most Voted**

Hide Solution | Discussion 43

Correct Answer: *AD*

An Azure subscription is a container for Azure resources. It is also a boundary for permissions to resources and for billing. You are charged monthly for all resources in a subscription. A single Azure tenant (Azure Active Directory) can contain multiple Azure subscriptions.
A resource group is a container that holds related resources for an Azure solution. The resource group can include all the resources for the solution, or only those resources that you want to manage as a group.
To enable each department administrator to manage the Azure resources used by that department, you will need to create a separate subscription per department. You can then assign each department administrator as an administrator for the subscription to enable them to manage all resources in that subscription.
Reference:
https://docs.microsoft.com/en-us/azure/cost-management-billing/manage/create-subscription
https://docs.microsoft.com/en-us/azure/cost-management-billing/manage/add-change-subscription-administrator

Community vote distribution

AD (83%)
AB (17%)

Previous QuestionsNext Questions

Question #56*Topic 1*

HOTSPOT -
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

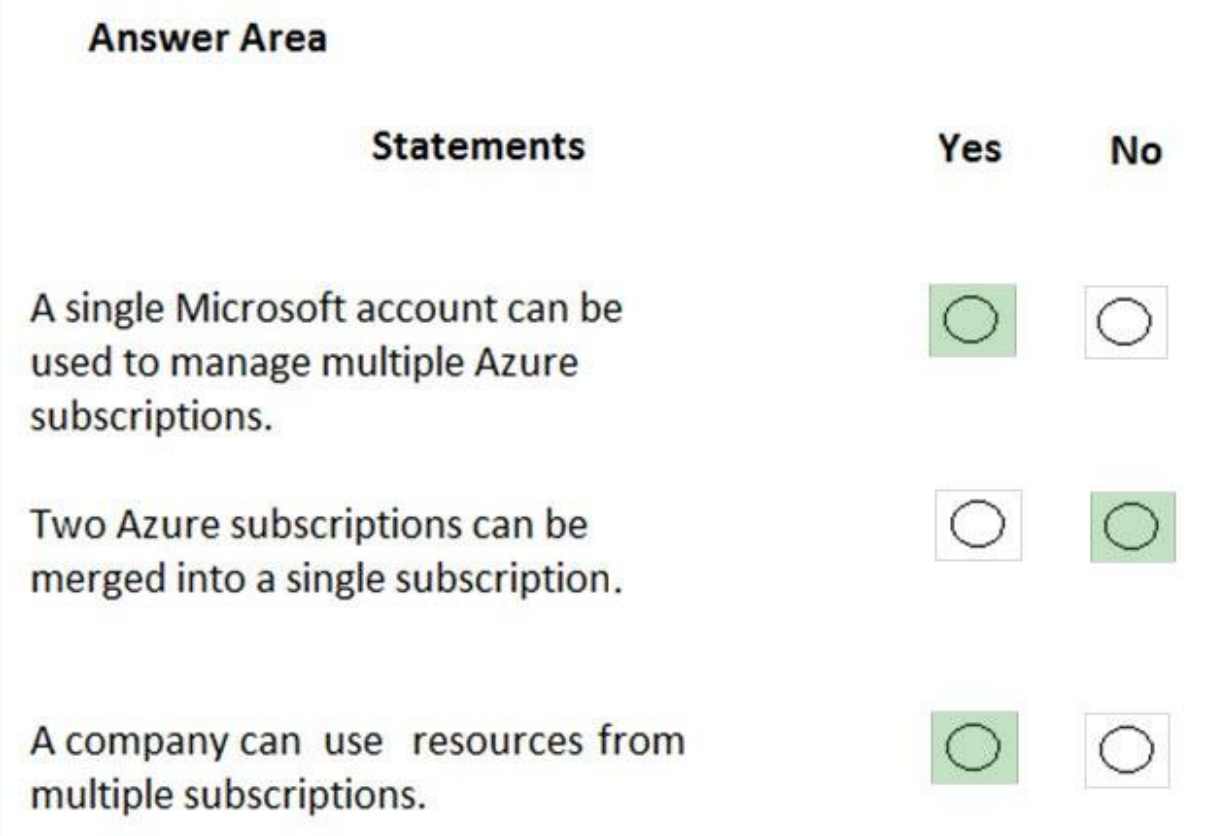
Answer Area

Statements	Yes	No
A single Microsoft account can be used to manage multiple Azure subscriptions.	○	○
Two Azure subscriptions can be merged into a single subscription.	○	○
A company can use resources from multiple subscriptions.	○	○

Hide Solution Discussion 57

Correct Answer:

Answer Area



Box 1: Yes -
You can use the same account to manage multiple subscriptions. You can create an additional subscription for your account in the Azure portal. You may want an additional subscription to avoid hitting subscription limits, to create separate environments for security, or to isolate data for compliance reasons.

Box 2: No -
You cannot merge two subscriptions into a single subscription. However, you can move some Azure resources from one subscription to another. You can also transfer ownership of a subscription and change the billing type for a subscription.

Box 3: Yes -
A company can have multiple subscriptions and store resources in the different subscriptions. However, a resource instance can exist in only one subscription.
Reference:
https://docs.microsoft.com/en-us/azure/cost-management-billing/manage/create-subscription

Question #57*Topic 1*

HOTSPOT -
To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

You have several virtual machines in an Azure subscription.
You create a new subscription.

The virtual machines cannot be moved to the new subscription.
The virtual machines can be moved to the new subscription.
The virtual machines can be moved to the new subscription only if they are all in the same resource group.
The virtual machines can be moved to the new subscription only if they run Windows Server 2016.

Hide Solution Discussion 27

Correct Answer:

Answer Area

You have several virtual machines in an Azure subscription.
You create a new subscription.

The virtual machines cannot be moved to the new subscription.
The virtual machines can be moved to the new subscription.
The virtual machines can be moved to the new subscription only if they are all in the same resource group.
The virtual machines can be moved to the new subscription only if they run Windows Server 2016.

You can move a VM and its associated resources to a different subscription by using the Azure portal.
Moving between subscriptions can be handy if you originally created a VM in a personal subscription and now want to move it to your company's subscription to continue your work.
You do not need to start the VM in order to move it and it should continue to run during the move.
Reference:
https://docs.microsoft.com/en-us/azure/virtual-machines/windows/move-vm

Question #58 *Topic 1*

You have an Azure environment that contains multiple Azure virtual machines.
You plan to implement a solution that enables the client computers on your on-premises network to communicate to the Azure virtual machines.
You need to recommend which Azure resources must be created for the planned solution.
Which two Azure resources should you include in the recommendation? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

- A. a virtual network gateway **Most Voted**

- B. a load balancer
- C. an application gateway
- D. a virtual network
- E. a gateway subnet **Most Voted**

Hide Solution | Discussion 169

Correct Answer: *AE*

To implement a solution that enables the client computers on your on-premises network to communicate to the Azure virtual machines, you need to configure a VPN (Virtual Private Network) to connect the on-premises network to the Azure virtual network.

The Azure VPN device is known as a Virtual Network Gateway. The virtual network gateway needs to be located in a dedicated subnet in the Azure virtual network. This dedicated subnet is known as a gateway subnet and must be named 'GatewaySubnet'.

Note: a virtual network (answer D) is also required. However, as we already have virtual machines deployed in a Azure, we can assume that the virtual network is already in place.

References:
https://docs.microsoft.com/en-us/office365/enterprise/connect-an-on-premises-network-to-a-microsoft-azure-virtual-network

Community vote distribution

AE (100%)

Question #59 *Topic 1*

You attempt to create several managed Microsoft SQL Server instances in an Azure environment and receive a message that you must increase your Azure subscription limits. What should you do to increase the limits?

- A. Create a service health alert
- B. Upgrade your support plan
- C. Modify an Azure policy
- D. Create a new support request

Hide Solution | Discussion 47

Correct Answer: *D*

Many Azure resource have quote limits. The purpose of the quota limits is to help you control your Azure costs. However, it is common to require an increase to the default quota.

You can request a quota limit increase by opening a support request. In the support request, select 'Service and subscription limits (quotas)' for the Issue type, select your subscription and the service you want to increase the quota for. For this question, you would select 'SQL Database Managed Instance' as the quote type.

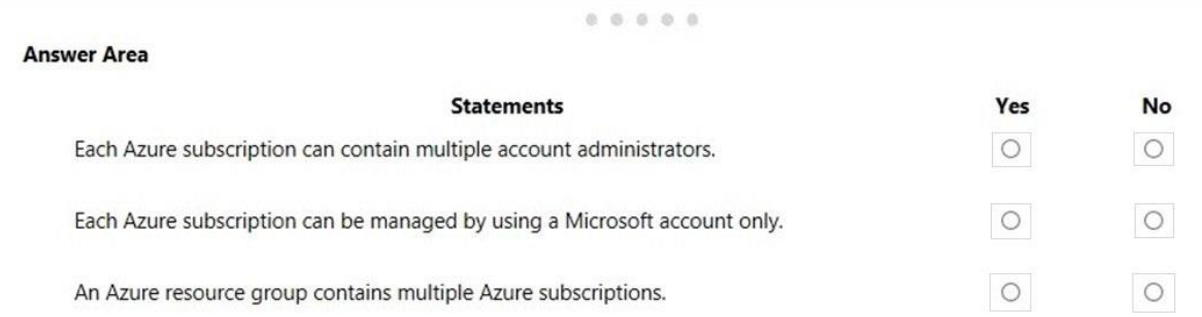
Reference:
https://docs.microsoft.com/en-us/azure/sql-database/sql-database-managed-instance-resource-limits#obtaining-a-larger-quota-for-sql-managed-instance

Community vote distribution

D (75%)
C (25%)

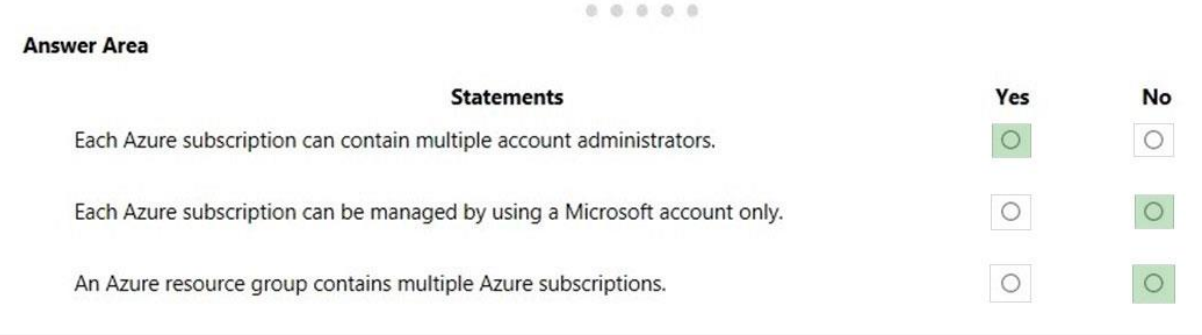
Question #60 *Topic 1*

HOTSPOT -
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.
Hot Area:



Hide Solution Discussion 147

Correct Answer:



Box 1: Yes -
You can assign additional account administrators in the Azure Portal.

Box 2: No -
You need an Azure Active Directory account to manage a subscription, not a Microsoft account.
An account is created in the Azure Active Directory when you create the subscription.
Further accounts can be created in the Azure Active Directory to manage the subscription.

Box 3: No -
Resource groups are logical containers for Azure resources. However, resource groups do not contain subscriptions. Subscriptions contain resource groups.
References:
https://docs.microsoft.com/en-us/office365/enterprise/subscriptions-licenses-accounts-and-tenants-for-microsoft-cloud-offerings

Previous QuestionsNext Questions

Question #61*Topic 1*

HOTSPOT -
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Availability zones can be implemented in all Azure regions.	○	○
Only virtual machines that run Windows Server can be created in availability zones.	○	○
Availability zones are used to replicate data and applications to multiple regions.	○	○

Hide Solution | Discussion 40

Correct Answer:

Answer Area

Statements	Yes	No
Availability zones can be implemented in all Azure regions.	○	●
Only virtual machines that run Windows Server can be created in availability zones.	○	●
Availability zones are used to replicate data and applications to multiple regions.	○	●

Box 1: No -
Not all Azure regions support availability zones.

Box 2: No -
Availability zones can be used with many Azure services, not just VMs.

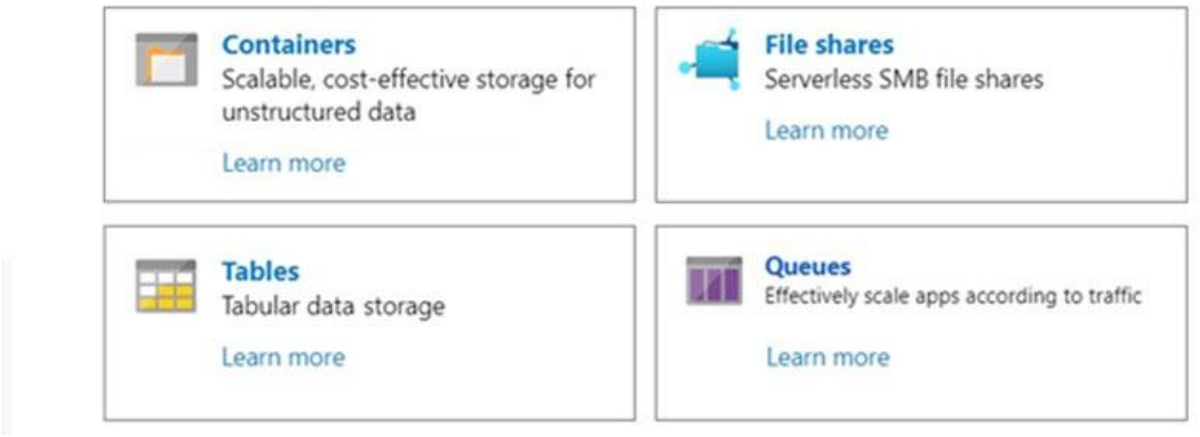
Box 3: No -
Availability Zones are unique physical locations within a single Azure region.
Reference:
https://docs.microsoft.com/en-us/azure/availability-zones/az-region#azure-regions-with-availability-zones

Question #62 *Topic 1*

HOTSPOT -
You plan to create an Azure virtual machine.
You need to identify which storage service must be used to store the unmanaged data disks of the virtual machine.
What should you identify? To answer, select the appropriate service in the answer area.

Hot Area:

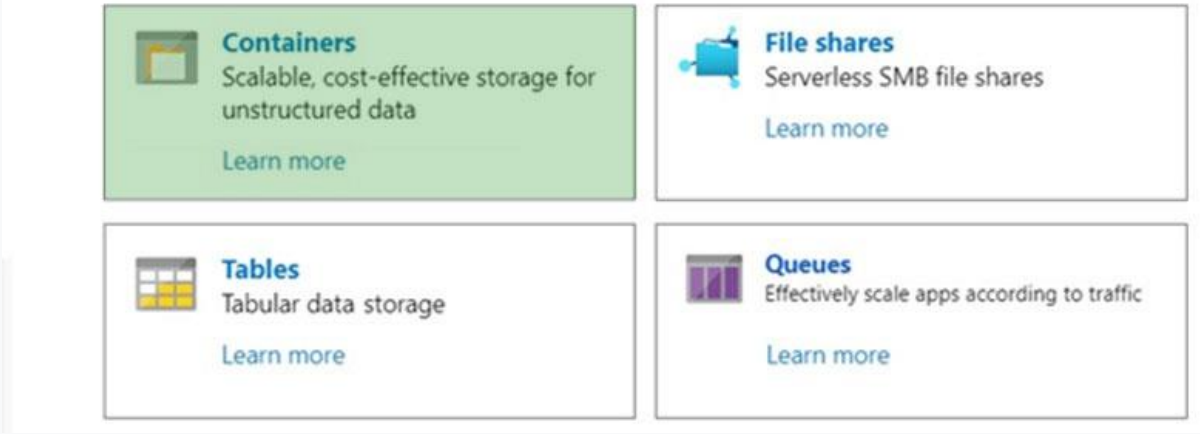
Answer Area



Hide Solution | Discussion 45

Correct Answer:

Answer Area



Azure containers are the backbone of the virtual disks platform for Azure IaaS. Both Azure OS and data disks are implemented as virtual disks where data is durably persisted in the Azure Storage platform and then delivered to the virtual machines for maximum performance. Azure Disks are persisted in Hyper-V VHD format and stored as a page blob in Azure Storage.

Reference:

https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-pageblob-overview

Question #63 *Topic 1*

Your company plans to move several servers to Azure.

The company's compliance policy states that a server named FinServer must be on a separate network segment.

You are evaluating which Azure services can be used to meet the compliance policy requirements.

Which Azure solution should you recommend?

- A. a resource group for FinServer and another resource group for all the other servers

- B. a virtual network for FinServer and another virtual network for all the other servers
- C. a VPN for FinServer and a virtual network gateway for each other server
- D. one resource group for all the servers and a resource lock for FinServer

Hide Solution | Discussion 27

Correct Answer: *B*

Networks in Azure are known as virtual networks. A virtual network can have multiple IP address spaces and multiple subnets. Azure automatically routes traffic between different subnets within a virtual network.

The question states that FinServer must be on a separate network segment. The only way to separate FinServer from the other servers in networking terms is to place the server in a different virtual network to the other servers.

References:

https://docs.microsoft.com/en-us/azure/virtual-network/virtual-network-vnet-plan-design-arm

Community vote distribution

B (100%)

Question #64*Topic 1*

You plan to map a network drive from several computers that run Windows 10 to Azure Storage.

You need to create a storage solution in Azure for the planned mapped drive.

What should you create?

- A. an Azure SQL database
- B. a virtual machine data disk
- C. a Files service in a storage account
- D. a Blobs service in a storage account

Hide Solution | Discussion 36

Correct Answer: *C*

Azure Files is Microsoft's easy-to-use cloud file system. Azure file shares can be seamlessly used in Windows and Windows Server.

To use an Azure file share with Windows, you must either mount it, which means assigning it a drive letter or mount point path, or access it via its UNC path.

Unlike other SMB shares you may have interacted with, such as those hosted on a Windows Server, Linux Samba server, or NAS device, Azure file shares do not currently support Kerberos authentication with your Active Directory (AD) or Azure Active Directory (AAD) identity, although this is a feature we are working on.

Instead, you must access your Azure file share with the storage account key for the storage account containing your Azure file share. A storage account key is an administrator key for a storage account, including administrator permissions to all files and folders within the file share you're accessing, and for all file shares and other storage resources (blobs, queues, tables, etc) contained within your storage account.

References:

https://docs.microsoft.com/en-us/azure/storage/files/storage-how-to-use-files-windows

Community vote distribution

C (67%)

B (33%)

Question #65 *Topic 1*

HOTSPOT -

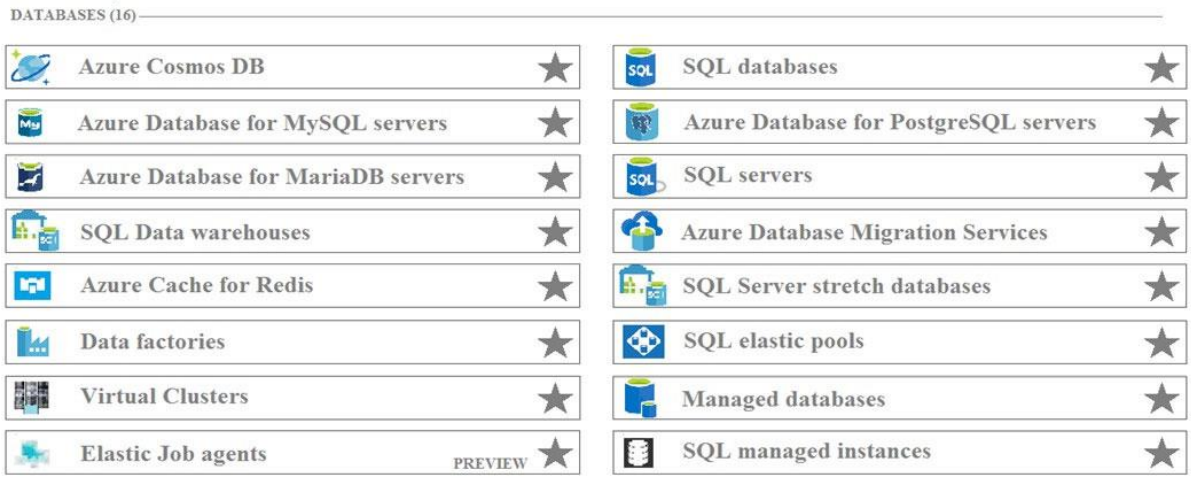
You plan to implement an Azure database solution.

You need to implement a database solution that meets the following requirements:

- Can add data concurrently from multiple regions
- Can store JSON documents

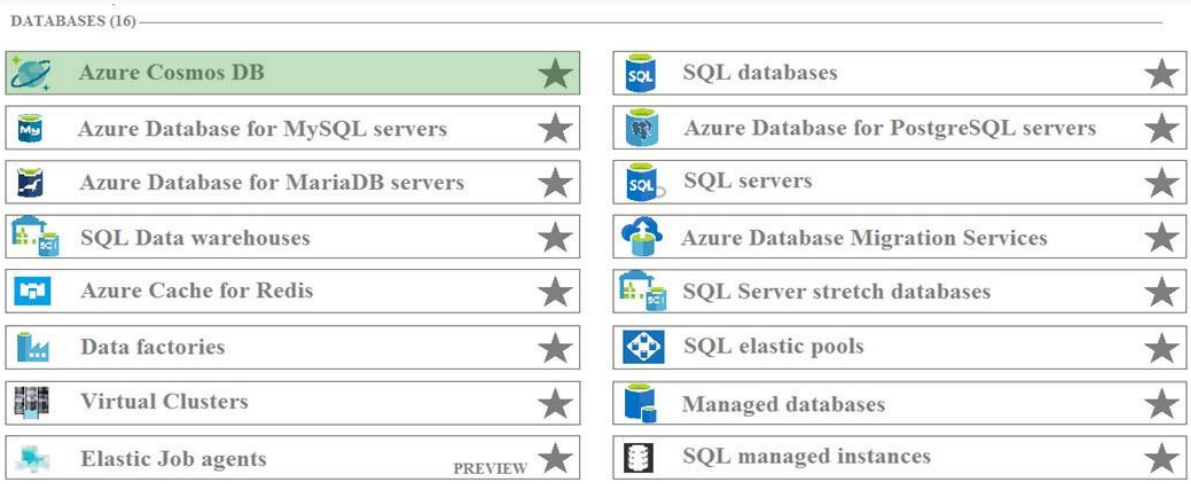
Which database service should you deploy? To answer, select the appropriate service in the answer area.

Hot Area:



Hide Solution | Discussion 29

Correct Answer:



Azure Cosmos DB is Microsoft's globally distributed, multi-model database service. With a click of a button, Cosmos DB enables you to elastically and independently scale throughput and storage across any number of Azure regions worldwide.

Azure Cosmos DB is a great way to store unstructured and JSON data. Combined with Azure Functions, Cosmos DB makes storing data quick and easy with much less code than required for storing data in a relational database.

References:

https://docs.microsoft.com/en-us/azure/cosmos-db/introduction

https://docs.microsoft.com/en-us/azure/azure-functions/functions-integrate-store-unstructured-data-cosmosdb?tabs=csharp

Your company plans to migrate all its network resources to Azure.
You need to start the planning process by exploring Azure.
What should you create first?

- A. a subscription
- B. a resource group
- C. a virtual network
- D. a management group

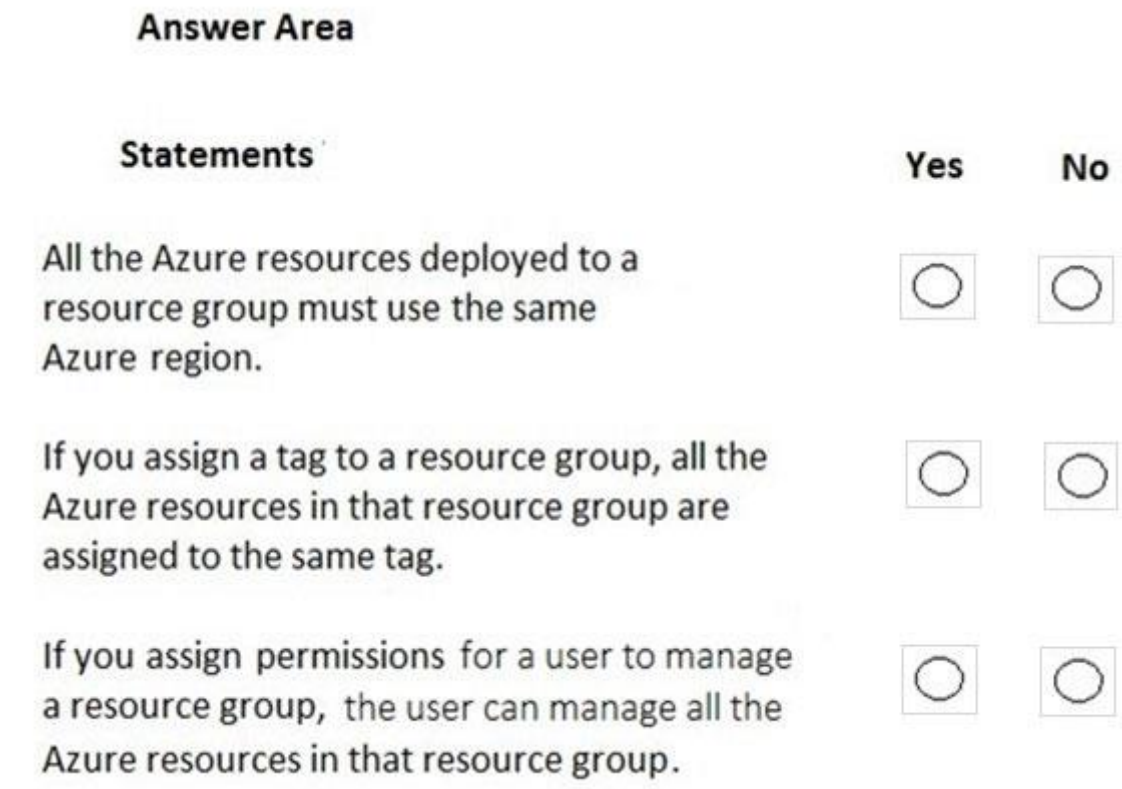
Hide Solution Discussion 65

Correct Answer: *A*
The first thing you create in Azure is a subscription. You can think of an Azure subscription as an 'Azure account'. You get billed per subscription.
A subscription is an agreement with Microsoft to use one or more Microsoft cloud platforms or services, for which charges accrue based on either a per-user license fee or on cloud-based resource consumption.
Microsoft's Software as a Service (SaaS)-based cloud offerings (Office 365, Intune/EMS, and Dynamics 365) charge per-user license fees.
Microsoft's Platform as a Service (PaaS) and Infrastructure as a Service (IaaS) cloud offerings (Azure) charge based on cloud resource consumption.
You can also use a trial subscription, but the subscription expires after a specific amount of time or consumption charges. You can convert a trial subscription to a paid subscription.
Organizations can have multiple subscriptions for Microsoft's cloud offerings.
References:
https://docs.microsoft.com/en-us/office365/enterprise/subscriptions-licenses-accounts-and-tenants-for-microsoft-cloud-offerings

Question #67 *Topic 1*

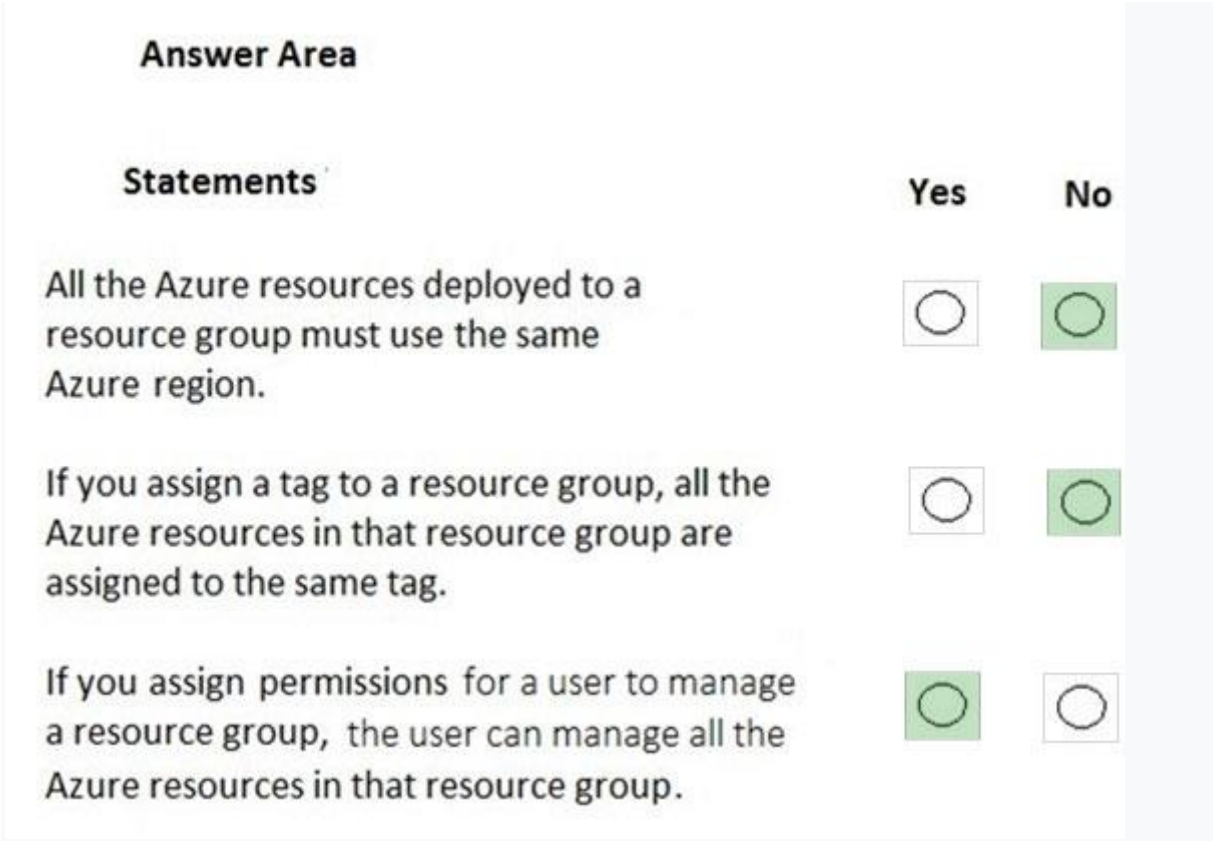
HOTSPOT -
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:



Hide Solution Discussion 32

Correct Answer:



Box 1: No -
Azure resources deployed to a single resource group can be located in different regions. The resource group only contains metadata about the resources it contains.
When creating a resource group, you need to provide a location for that resource group. You may be wondering, "Why does a resource group need a location?
And, if the resources can have different locations than the resource group, why does the resource group location matter at all?" The resource group stores metadata about the resources. When you specify a location for the resource group, you're specifying where that metadata is stored. For compliance reasons, you may need to ensure that your data is stored in a particular region.

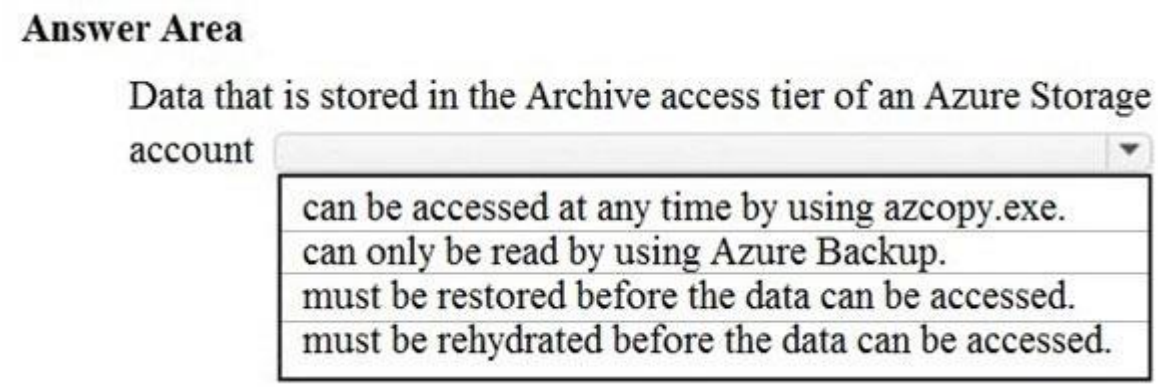
Box 2: No -
Tags for Resources are not inherited by default from their Resource Group

Box 3: Yes -
A resource group can be used to scope access control for administrative actions. By default, permissions set at the resource level are inherited by the resources in the resource group.
Reference:
https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-group-overview

Question #68*Topic 1*

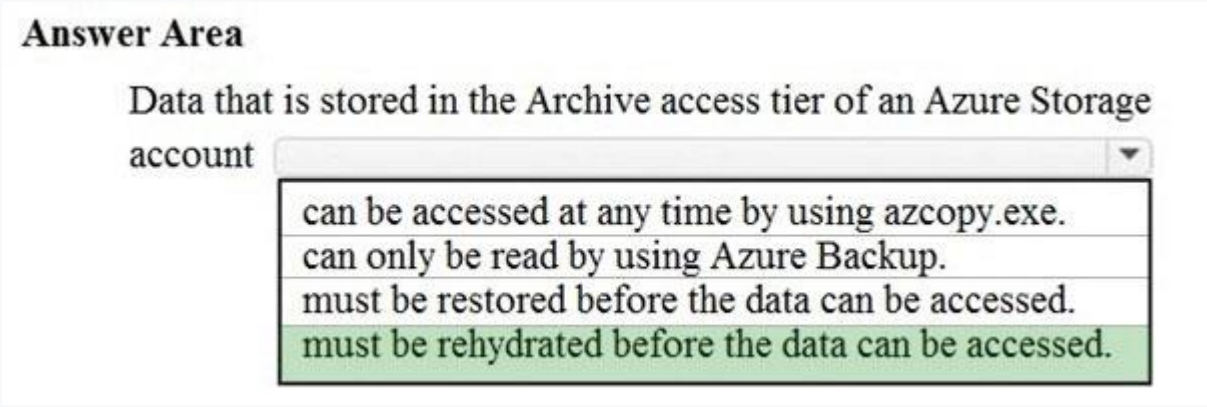
HOTSPOT -
To complete the sentence, select the appropriate option in the answer area.

Hot Area:



Hide Solution Discussion 24

Correct Answer:



Azure storage offers different access tiers: hot, cool and archive.
The archive access tier has the lowest storage cost. But it has higher data retrieval costs compared to the hot and cool tiers. Data in the archive tier can take several hours to retrieve. While a blob is in archive storage, the blob data is offline and can't be read, overwritten, or modified. To read or download a blob in archive, you must first rehydrate it to an online tier.
Example usage scenarios for the archive access tier include:

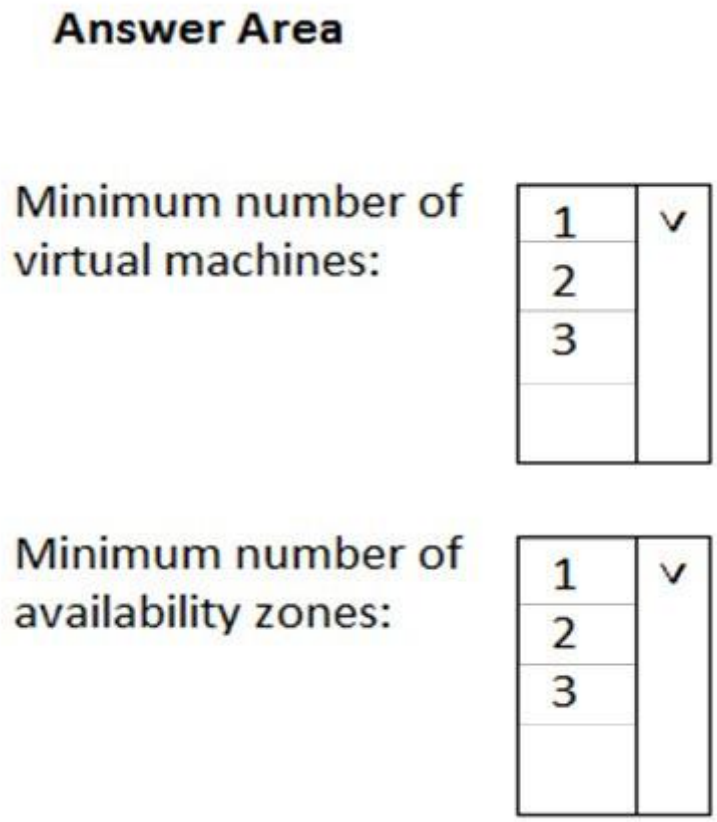
- Long-term backup, secondary backup, and archival datasets
- Original (raw) data that must be preserved, even after it has been processed into final usable form.
- Compliance and archival data that needs to be stored for a long time and is hardly ever accessed.

Reference:
https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-storage-tiers?tabs=azure-portal#archive-access-tier

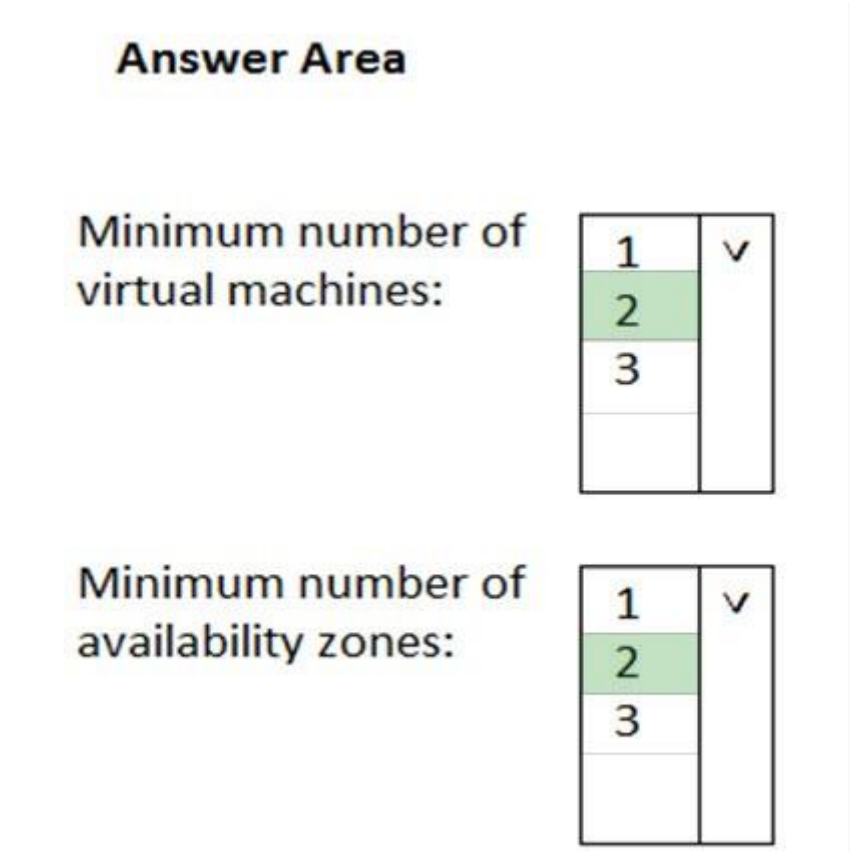
Question #69 *Topic 1*

HOTSPOT -
You plan to deploy a critical line-of-business application to Azure.
The application will run on an Azure virtual machine.
You need to recommend a deployment solution for the application. The solution must provide a guaranteed availability of 99.99 percent.
What is the minimum number of virtual machines and the minimum number of availability zones you should recommend for the deployment? To answer, select the appropriate options

in the answer area.
NOTE: Each correct selection is worth one point.
Hot Area:



Hide Solution Discussion 37



Correct Answer:
You need a minimum of two virtual machines with each one located in a different availability zone.
Availability Zones is a high-availability offering that protects your applications and data from datacenter failures. Availability Zones are unique physical locations within an Azure region. Each zone is made up of one or more datacenters equipped with independent power, cooling, and networking. To ensure resiliency, there's a minimum of three separate zones in all enabled regions. The physical separation of Availability Zones within a region protects applications and data from datacenter failures. Zone-redundant services replicate your applications and data across Availability Zones to protect from single-points-of-failure. With Availability
Zones, Azure offers industry best 99.99% VM uptime SLA.
References:
https://docs.microsoft.com/en-us/azure/availability-zones/az-overview

Question #70 *Topic 1*

Which Azure service should you use to collect events from multiple resources into a centralized repository?

- A. Azure Event Hubs **Most Voted**
- B. Azure Analysis Services
- C. Azure Monitor **Most Voted**
- D. Azure Stream Analytics

Hide Solution | Discussion 67

Correct Answer: *A*
Azure Event Hubs is a big data streaming platform and event ingestion service. It can receive and process millions of events per second. Data sent to an event hub can be transformed and stored by using any real-time analytics provider or batching/storage adapters.
Azure Event Hubs can be used to ingest, buffer, store, and process your stream in real time to get actionable insights. Event Hubs uses a partitioned consumer model, enabling multiple applications to process the stream concurrently and letting you control the speed of processing.
Azure Event Hubs can be used to capture your data in near-real time in an Azure Blob storage or Azure Data Lake Storage‚€‰for long-term retention or micro-batch processing.
Reference:
https://docs.microsoft.com/en-us/azure/event-hubs/event-hubs-about
Community vote distribution

A (59%)
C (41%)

Previous QuestionsNext Questions

Question #71 *Topic 1*

HOTSPOT -
To complete the sentence, select the appropriate option in the answer area.
Hot Area:

Answer Area

An Availability Zone in Azure has physically separate locations [▼]
- across two continents.
- within a single Azure region.
- within multiple Azure regions.
- within a single Azure datacenter.

Hide Solution | Discussion 25

Correct Answer:

Answer Area

An Availability Zone in Azure has physically separate locations [▼]
- across two continents.
- within a single Azure region.
- within multiple Azure regions.
- within a single Azure datacenter.

Availability Zones is a high-availability offering that protects your applications and data from datacenter failures. Availability Zones are unique physical locations within an Azure region.
Reference:
https://docs.microsoft.com/en-us/azure/availability-zones/az-overview

Question #72 *Topic 1*

HOTSPOT -
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Data that is stored in an Azure Storage account automatically has at least three copies.	○	○
All data that is copied to an Azure Storage account is backed up automatically to another Azure data center.	○	○
An Azure Storage account can contain up to 2 TB of data and up to one million files.	○	○

Hide Solution Discussion 30

Correct Answer:

Answer Area

Statements	Yes	No
Data that is stored in an Azure Storage account automatically has at least three copies.	●	○
All data that is copied to an Azure Storage account is backed up automatically to another Azure data center.	○	●
An Azure Storage account can contain up to 2 TB of data and up to one million files.	○	●

Box 1: Yes -
There are different replication options available with a storage account. The 'minimum' replication option is Locally Redundant Storage (LRS). With LRS, data is replicated synchronously three times within the primary region.

Box 2: No -
Data is not backed up automatically to another Azure Data Center although it can be depending on the replication option configured for the account. Locally Redundant Storage (LRS) is the default which maintains three copies of the data in the data center.
Geo-redundant storage (GRS) has cross-regional replication to protect against regional outages. Data is replicated synchronously three times in the primary region, then replicated asynchronously to the secondary region.

Box 3: No -
The limits are much higher than that. The current storage limit is 2 PB for US and Europe, and 500 TB for all other regions (including the UK) with no limit on the number of files.
Reference:
https://docs.microsoft.com/en-us/azure/storage/common/storage-account-overview

Question #73 *Topic 1*

HOTSPOT -
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
If you have Azure resources deployed to every region, you can implement availability zones in all the regions.	○	○
Only virtual machines that run Windows Server can be created in availability zones.	○	○
Availability zones are used to replicate data and applications to multiple regions.	○	○

Hide Solution Discussion 60

Correct Answer:

Answer Area

Statements	Yes	No
If you have Azure resources deployed to every region, you can implement availability zones in all the regions.	○	○
Only virtual machines that run Windows Server can be created in availability zones.	○	○
Availability zones are used to replicate data and applications to multiple regions.	○	○

Box 1: No -
Not all Azure regions support availability zones.

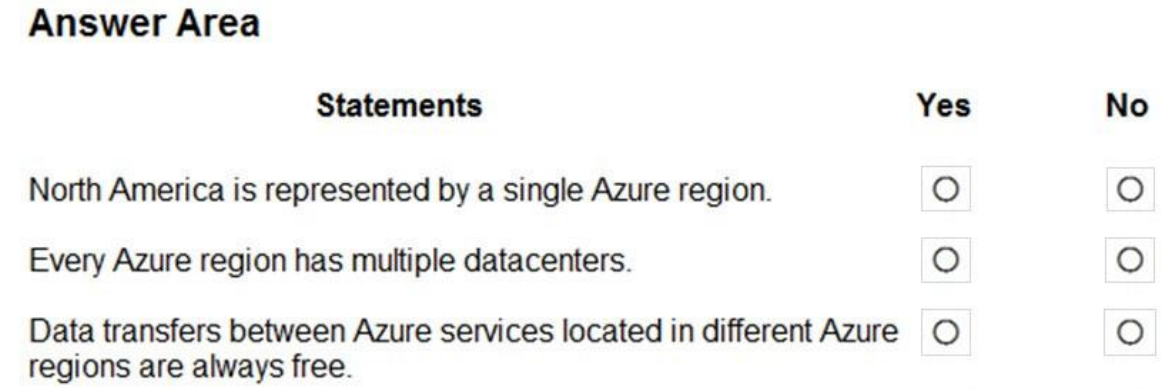
Box 2: No -
Regions that support availability zones support Linux virtual machines.

Box 3: Yes -
Availability Zones is a high-availability offering that protects your applications and data from datacenter failures. Availability Zones are unique physical locations within an Azure region. Each zone is made up of one or more datacenters equipped with independent power, cooling, and networking. To ensure resiliency, there's a minimum of three separate zones in all enabled regions. The physical separation of Availability Zones within a region protects applications and data from datacenter failures. Zone-redundant services replicate your applications and data across Availability Zones to protect from single-points-of-failure. With Availability
Zones, Azure offers industry best 99.99% VM uptime SLA.
References:
https://docs.microsoft.com/en-gb/azure/availability-zones/az-overview

Question #74 *Topic 1*

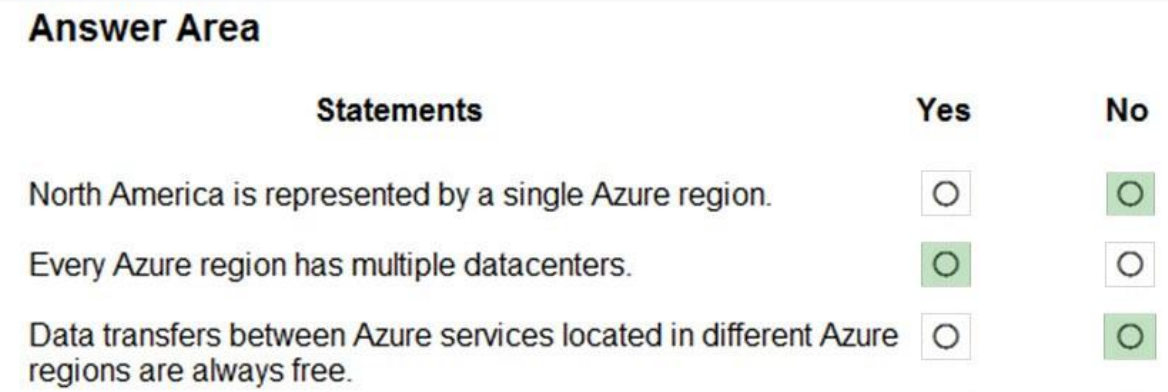
HOTSPOT -
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:



Hide Solution Discussion 90

Correct Answer:



Box 1: No -
North America has several Azure regions, including West US, Central US, South Central US, East Us, and Canada East.

Box 2: Yes -
A region is a set of datacenters deployed within a latency-defined perimeter and connected through a dedicated regional low-latency network.

Box 3: No -
Outbound data transfer is charged at the normal rate and inbound data transfer is free.
References:
https://azure.microsoft.com/en-us/global-infrastructure/regions/
https://azure.microsoft.com/en-us/pricing/details/bandwidth/

Question #75 *Topic 1*

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.

You plan to deploy several Azure virtual machines.
You need to ensure that the services running on the virtual machines are available if a single data center fails.
Solution: You deploy the virtual machines to two or more scale sets.
Does this meet the goal?

- A. Yes
- B. No

Hide Solution Discussion 80

Correct Answer: *B*
This answer does not specify that the scale set will be configured across multiple data centers so this solution does not meet the goal.
Azure virtual machine scale sets let you create and manage a group of load balanced VMs. The number of VM instances can automatically increase or decrease in response to demand or a defined schedule. Scale sets provide high availability to your applications, and allow you to centrally manage, configure, and update many VMs.
Virtual machines in a scale set can be deployed across multiple update domains and fault domains to maximize availability and resilience to outages due to data center outages, and planned or unplanned maintenance events.
Reference:
https://docs.microsoft.com/en-us/azure/virtual-machine-scale-sets/availability

Previous QuestionsNext Questions

Question #76*Topic 1*

You need to be notified when Microsoft plans to perform maintenance that can affect the resources deployed to an Azure subscription.
What should you use?

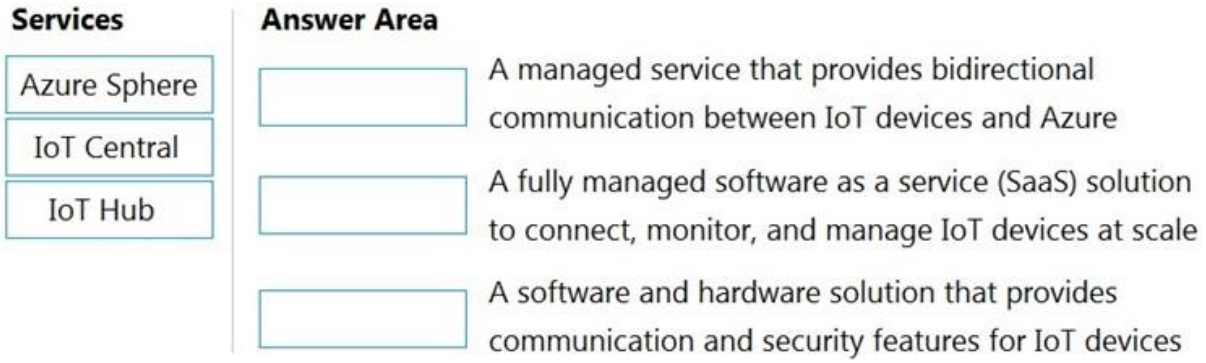
- A. Azure Monitor
- B. Azure Service Health
- C. Azure Advisor
- D. Microsoft Trust Center

Hide Solution Discussion 25

Correct Answer: *B*
Azure Service Health provides a personalized view of the health of the Azure services and regions you're using. This is the best place to look for service impacting communications about outages, planned maintenance activities, and other health advisories because the authenticated Service Health experience knows which services and resources you currently use.
Reference:
https://docs.microsoft.com/en-us/azure/service-health/overview
Community vote distribution
B (100%)

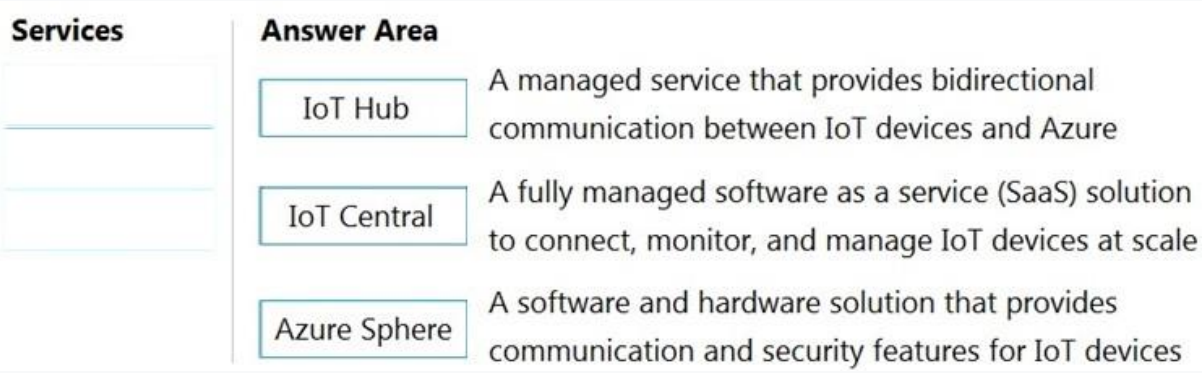
Question #77*Topic 1*

DRAG DROP -
Match the Azure Services service to the correct description.
Instructions: To answer, drag the appropriate 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:



Hide Solution Discussion 44

Correct Answer:



Reference:
https://docs.microsoft.com/en-us/azure-sphere/product-overview/what-is-azure-sphere
https://docs.microsoft.com/en-us/azure/iot-central/core/overview-iot-central
https://docs.microsoft.com/en-us/azure/iot-hub/about-iot-hub

Question #78 *Topic 1*

HOTSPOT -
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
A Windows Virtual Desktop session host can run Windows 10 only.	○	○
A Windows Virtual Desktop host pool that includes 20 session hosts supports a maximum of 20 simultaneous user connections.	○	○
Windows Virtual Desktop supports desktop and app virtualization.	○	○

Hide Solution Discussion 29

Correct Answer:

Answer Area

Statements	Yes	No
A Windows Virtual Desktop session host can run Windows 10 only.	○	●
A Windows Virtual Desktop host pool that includes 20 session hosts supports a maximum of 20 simultaneous user connections.	○	●
Windows Virtual Desktop supports desktop and app virtualization.	●	○

Reference:
https://docs.microsoft.com/en-us/azure/virtual-desktop/overview

Question #79 *Topic 1*

HOTSPOT -
To complete the sentence, select the appropriate option in the answer area.
Hot Area:

Answer Area

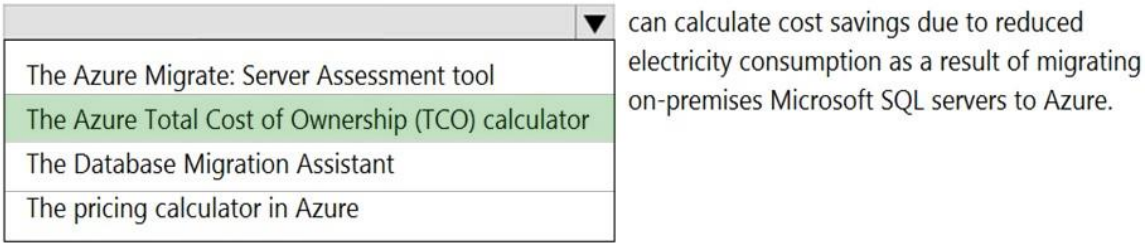
[▼] can calculate cost savings due to reduced electricity consumption as a result of migrating on-premises Microsoft SQL servers to Azure.

- The Azure Migrate: Server Assessment tool
- The Azure Total Cost of Ownership (TCO) calculator
- The Database Migration Assistant
- The pricing calculator in Azure

Hide Solution Discussion 18

Correct Answer:

Answer Area



Reference:
https://blog.abouttmc.com/azure-cloud-total-cost-of-ownership

Question #80 *Topic 1*

HOTSPOT -
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.
Hot Area:

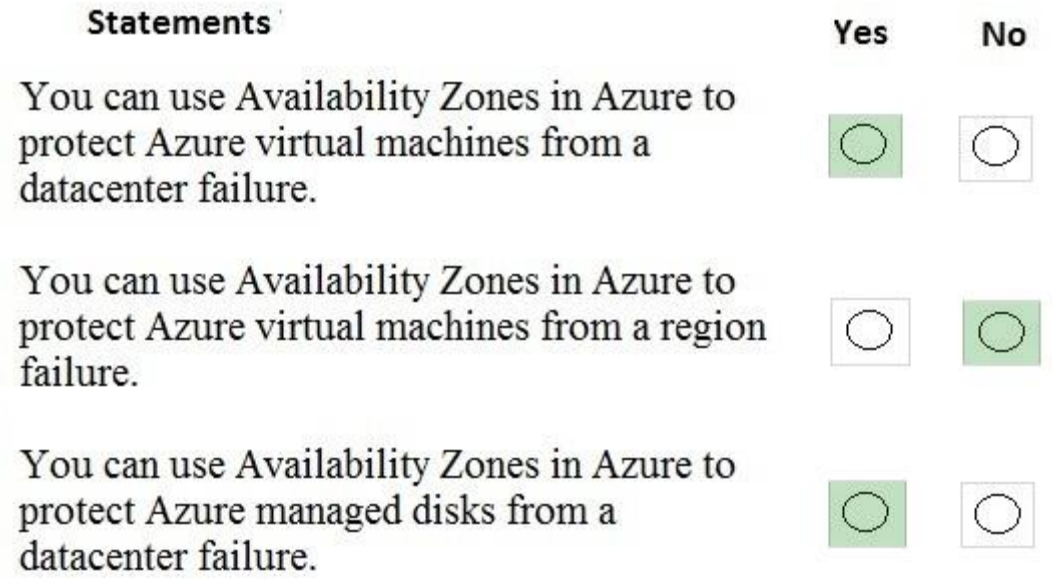
Answer Area

Statements	Yes	No
You can use Availability Zones in Azure to protect Azure virtual machines from a datacenter failure.	○	○
You can use Availability Zones in Azure to protect Azure virtual machines from a region failure.	○	○
You can use Availability Zones in Azure to protect Azure managed disks from a datacenter failure.	○	○

Hide Solution | Discussion 47

Correct Answer:

Answer Area



Availability zones expand the level of control you have to maintain the availability of the applications and data on your VMs. Availability Zones are unique physical locations within an Azure region. Each zone is made up of one or more datacenters equipped with independent power, cooling, and networking. To ensure resiliency, there are a minimum of three separate zones in all enabled regions. The physical separation of Availability Zones within a region protects applications and data from datacenter failures.
With Availability Zones, Azure offers industry best 99.99% VM uptime SLA. By architecting your solutions to use replicated VMs in zones, you can protect your applications and data from the loss of a datacenter. If one zone is compromised, then replicated apps and data are instantly available in another zone.
References:
https://docs.microsoft.com/en-us/azure/virtual-machines/windows/manage-availability

Previous QuestionsNext Questions

Question #81*Topic 1*

HOTSPOT -
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
An Azure subscription can have multiple account administrators	○	○
An Azure subscription can be managed by using a Microsoft account only	○	○
An Azure resource group can contain multiple Azure subscriptions	○	○

Hide Solution | Discussion 145

Correct Answer:

Answer Area

Statements	Yes	No
An Azure subscription can have multiple account administrators	○	●
An Azure subscription can be managed by using a Microsoft account only	●	○
An Azure resource group can contain multiple Azure subscriptions	○	●

Box 1: No -
A subscription can have multiple administrators, but there can only be one account administrator.

Box 2: Yes -
An Azure subscription is linked to a single account, the one that was used to create the subscription and is used for billing purposes. You can have more than one subscription.

Box 3: No -
A subscription can contain multiple resource groups but a resource group can only belong to one subscription. Resource groups can contain multiple resources.
Reference:
https://k21academy.com/microsoft-azure/az-900/az-900-azure-subscriptions/
https://azure.microsoft.com/en-us/blog/organizing-subscriptions-and-resource-groups-within-the-enterprise/

Question #82 *Topic 1*

This question requires that you evaluate the underlined text to determine if it is correct.
An Azure region contains one or more data centers that are connected by using a low-latency network.
Instructions: Review the underlined text. If it makes the statement correct, select ‚€No change

is needed:€. If the statement is incorrect, select the answer choice that makes the statement correct.

- A. No change is needed
- B. Is found in each country where Microsoft has a subsidiary office
- C. Can be found in every country in Europe and the Americas only
- D. Contains one or more data centers that are connected by using a high-latency network

Hide Solution Discussion 30

Correct Answer: *A*

A region is a set of data centres deployed within a latency-defined perimeter and connected through a dedicated regional low-latency network.
Microsoft Azure currently has 55 regions worldwide.
Regions are divided into Availability Zones. Availability Zones are physically separate locations within an Azure region. Each Availability Zone is made up of one or more datacenters equipped with independent power, cooling, and networking.
References:
https://azure.microsoft.com/en-gb/global-infrastructure/regions/

Community vote distribution

A (100%)

Question #83*Topic 1*

HOTSPOT -
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.
Hot Area:

Answer Area

Statements	Yes	No
To use Azure Active Directory (Azure AD) credentials to sign in to a computer that runs Windows 10, the computer must be joined to Azure AD.	○	○
Users in Azure Active Directory (Azure AD) are organized by using resource groups.	○	○
Azure Active Directory (Azure AD) groups support dynamic membership rules.	○	○

Hide Solution Discussion 49

Correct Answer:

Answer Area

Statements	Yes	No
To use Azure Active Directory (Azure AD) credentials to sign in to a computer that runs Windows 10, the computer must be joined to Azure AD.	○	○
Users in Azure Active Directory (Azure AD) are organized by using resource groups.	○	○
Azure Active Directory (Azure AD) groups support dynamic membership rules.	○	○

Reference:

https://docs.microsoft.com/en-us/azure/active-directory/enterprise-users/groups-dynamic-membership https://petri.com/understanding-hybrid-azure-active-directory-join

Question #84 *Topic 1*

You plan to deploy several Azure virtual machines.
You need to ensure that the services running on the virtual machines remain available if a single data center fails.
What are two possible solutions? Each correct answer presents a complete solution.

- A. Deploy the virtual machines to two or more availability zones.
- B. Deploy the virtual machines to two or more resource groups.
- C. Deploy the virtual machines to a scale set.
- D. Deploy the virtual machines to two or more regions.

Hide Solution | Discussion 26

Correct Answer: *AD*
Reference:
https://docs.microsoft.com/en-us/azure/virtual-machine-scale-sets/availability
https://docs.microsoft.com/en-us/azure/virtual-machines/windows/regions
Community vote distribution
AD (100%)

Question #85 *Topic 1*

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.
You have an Azure subscription named Subscription1. You sign in to the Azure portal and create a resource group named RG1.
From Azure documentation, you have the following command that creates a virtual machine named VM1. az vm create --resource-group RG1 --name VM1 --image UbuntuLTS --generate-ssh-keys
You need to create VM1 in Subscription1 by using the command.
Solution: From the Azure portal, launch Azure Cloud Shell and select Bash. Run the command in Cloud Shell.
Does this meet the goal?

- A. Yes
- B. No

Hide Solution | Discussion 27

Correct Answer: *A*
The command can be run in the Azure Cloud Shell.
The Azure Cloud Shell is a free interactive shell. It has common Azure tools preinstalled and configured to use with your account.
To open the Cloud Shell, just select Try it from the upper right corner of a code block. You

can also launch Cloud Shell in a separate browser tab by going to https://shell.azure.com/bash.
References:
https://docs.microsoft.com/en-us/azure/virtual-machines/linux/quick-create-cli

Community vote distribution

A (50%)
R (50%)

Previous QuestionsNext Questions

Question #86*Topic 1*

Your company has several business units.
Each business unit requires 20 different Azure resources for daily operation. All the business units require the same type of Azure resources.
You need to recommend a solution to automate the creation of the Azure resources.
What should you include in the recommendations?

- A. Azure Resource Manager templates
- B. virtual machine scale sets
- C. the Azure API Management service
- D. management groups

Hide Solution Discussion 36

Correct Answer: *A*
You can use Azure Resource Manager templates to automate the creation of the Azure resources. Deploying resource through templates is known as 'Infrastructure as code'.
To implement infrastructure as code for your Azure solutions, use Azure Resource Manager templates. The template is a JavaScript Object Notation (JSON) file that defines the infrastructure and configuration for your project. The template uses declarative syntax, which lets you state what you intend to deploy without having to write the sequence of programming commands to create it. In the template, you specify the resources to deploy and the properties for those resources.
References:
https://docs.microsoft.com/en-us/azure/azure-resource-manager/templates/overview

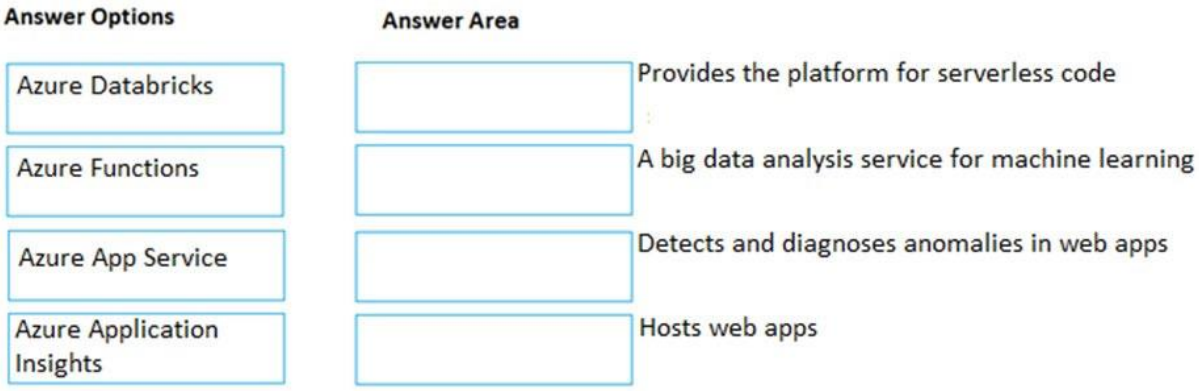
Community vote distribution

A (100%)

Question #87*Topic 1*

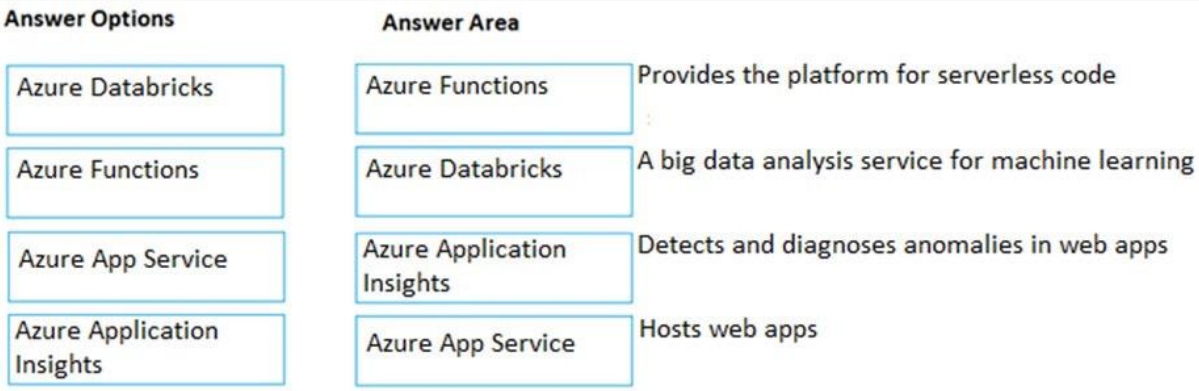
DRAG DROP -
Match the Azure service to the correct definition.
Instructions: To answer, drag the appropriate Azure service from the column on the left to its description on the right. Each service may be used once, more than once, or not at all.
NOTE: Each correct selection is worth one point.

Select and Place:



Hide Solution Discussion 21

Correct Answer:



Box 1:
Azure Functions provides the platform for serverless code.
Azure Functions is a serverless compute service that lets you run event-triggered code without having to explicitly provision or manage infrastructure.
Box 2:
Azure Databricks is a big analysis service for machine learning.
Azure Databricks is an Apache Spark-based analytics platform. The platform consists of several components including 'MLib'. Mlib is a Machine Learning library consisting of common learning algorithms and utilities, including classification, regression, clustering, collaborative filtering, dimensionality reduction, as well as underlying optimization primitives.
Box 3:
Azure Application Insights detects and diagnoses anomalies in web apps.
Application Insights, a feature of Azure Monitor, is an extensible Application Performance Management (APM) service for developers and DevOps professionals.
Use it to monitor your live applications. It will automatically detect performance anomalies, and includes powerful analytics tools to help you diagnose issues and to understand what users actually do with your app.
Box 4:
Azure App Service hosts web apps.
Azure App Service is an HTTP-based service for hosting web applications, REST APIs, and mobile back ends. You can develop in your favorite language, be it
.NET, .NET Core, Java, Ruby, Node.js, PHP, or Python. Applications run and scale with ease

on both Windows and Linux-based environments.
References:
https://docs.microsoft.com/en-us/azure/azure-functions/
https://docs.microsoft.com/en-us/azure/azure-databricks/what-is-azure-databricks#apache-spark-based-analytics-platform https://docs.microsoft.com/en-us/azure/azure-monitor/app/app-insights-overview https://docs.microsoft.com/en-us/azure/app-service/overview

Question #88*Topic 1*

A team of developers at your company plans to deploy, and then remove, 50 customized virtual machines each week. Thirty of the virtual machines run Windows Server 2016 and 20 of the virtual machines run Ubuntu Linux.
You need to recommend which Azure service will minimize the administrative effort required to deploy and remove the virtual machines.
What should you recommend?

- A. Azure Reserved Virtual Machines (VM) Instances
- B. Azure virtual machine scale sets
- C. Azure DevTest Labs
- D. Microsoft Managed Desktop

Hide Solution | Discussion 34

Correct Answer: *C*
DevTest Labs creates labs consisting of pre-configured bases or Azure Resource Manager templates.
By using DevTest Labs, you can test the latest versions of your applications by doing the following tasks:
☞ Quickly provision Windows and Linux environments by using reusable templates and artifacts.
☞ Easily integrate your deployment pipeline with DevTest Labs to provision on-demand environments.
☞ Scale up your load testing by provisioning multiple test agents and create pre-provisioned environments for training and demos.
Reference:
https://docs.microsoft.com/en-us/azure/lab-services/devtest-lab-overview
Community vote distribution
C (100%)

Question #89*Topic 1*

A support engineer plans to perform several Azure management tasks by using the Azure CLI.
You install the CLI on a computer.
You need to tell the support engineer which tools to use to run the CLI.
Which two tools should you instruct the support engineer to use? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

- A. Command Prompt
- B. Azure Resource Explorer

- C. Windows PowerShell
- D. Windows Defender Firewall
- E. Network and Sharing Center

Hide Solution Discussion 37

Correct Answer: *AC*
For Windows the Azure CLI is installed via an MSI, which gives you access to the CLI through the Windows Command Prompt (CMD) or PowerShell.
References:
https://docs.microsoft.com/en-us/cli/azure/install-azure-cli-windows?view=azure-cli-latest
Community vote distribution
AC (100%)

Question #90*Topic 1*
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.
You have an Azure environment. You need to create a new Azure virtual machine from a tablet that runs the Android operating system.
Solution: You use PowerShell in Azure Cloud Shell.
Does this meet the goal?

- A. Yes
- B. No

Hide Solution Discussion 18

Correct Answer: *A*
Azure Cloud Shell is a browser-based shell experience to manage and develop Azure resources.
Cloud Shell offers a browser-accessible, pre-configured shell experience for managing Azure resources without the overhead of installing, versioning, and maintaining a machine yourself.
Being browser-based, Azure Cloud Shell can be run on a browser from a tablet that runs the Android operating system.
References:
https://docs.microsoft.com/en-us/azure/cloud-shell/features
Community vote distribution
R (100%)

Previous QuestionsNext Questions

Question #91*Topic 1*
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.
You have an Azure environment. You need to create a new Azure virtual machine from a tablet that runs the Android operating system.
Solution: You use the PowerApps portal.
Does this meet the goal?

- A. Yes
- B. No

Hide Solution Discussion 14

Correct Answer: *B*
PowerApps lets you quickly build business applications with little or no code. It is not used to create Azure virtual machines. Therefore, this solution does not meet the goal.
PowerApps Portals allow organizations to create websites which can be shared with users external to their organization either anonymously or through the login provider of their choice like LinkedIn, Microsoft Account, other commercial login providers.
References:
https://powerapps.microsoft.com/en-us/blog/introducing-powerapps-portals-powerful-low-code-websites-for-external-users/
Community vote distribution
B (100%)

Question #92*Topic 1*
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.
You have an Azure environment. You need to create a new Azure virtual machine from a tablet that runs the Android operating system.
Solution: You use the Azure portal.
Does this meet the goal?

- A. Yes
- B. No

Hide Solution Discussion 11

Correct Answer: *A*
The Azure portal is a web-based, unified console that provides an alternative to command-line tools. With the Azure portal, you can manage your Azure subscription using a graphical user interface. You can build, manage, and monitor everything from simple web apps to complex cloud deployments. Create custom dashboards for an organized view of resources. Configure accessibility options for an optimal experience.
Being web-based, the Azure portal can be run on a browser from a tablet that runs the Android operating system.
References:
https://docs.microsoft.com/en-us/azure/azure-portal/azure-portal-overview

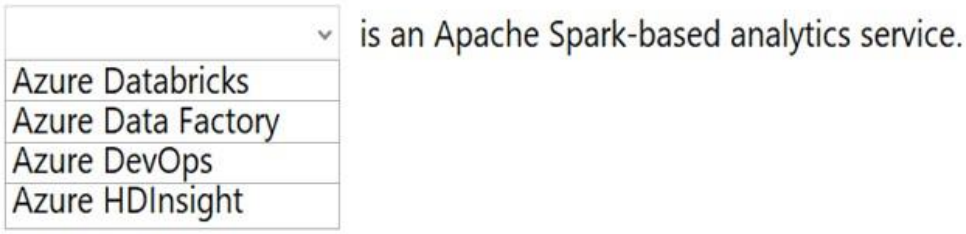
Community vote distribution

R (100%)

Question #93*Topic 1*

HOTSPOT -
To complete the sentence, select the appropriate option in the answer area.
Hot Area:

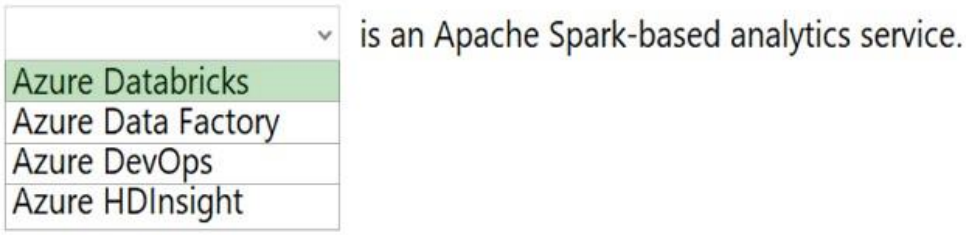
Answer Area



Hide Solution | Discussion 19

Correct Answer:

Answer Area

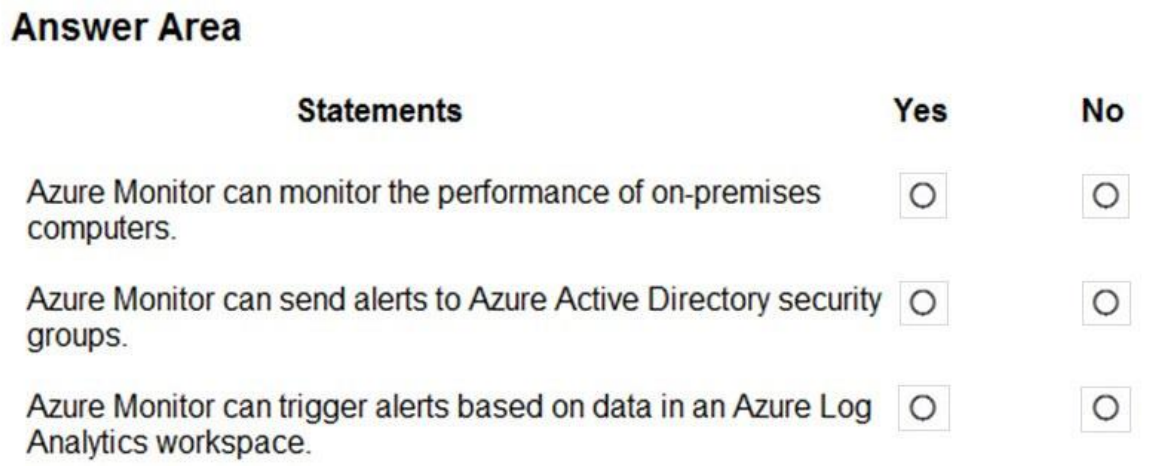


Azure Databricks is an Apache Spark-based analytics platform. The platform consists of several components including 'MLib'. Mlib is a Machine Learning library consisting of common learning algorithms and utilities, including classification, regression, clustering, collaborative filtering, dimensionality reduction, as well as underlying optimization primitives.
Reference:
https://docs.microsoft.com/en-us/azure/azure-databricks/what-is-azure-databricks#apache-spark-based-analytics-platform

Question #94*Topic 1*

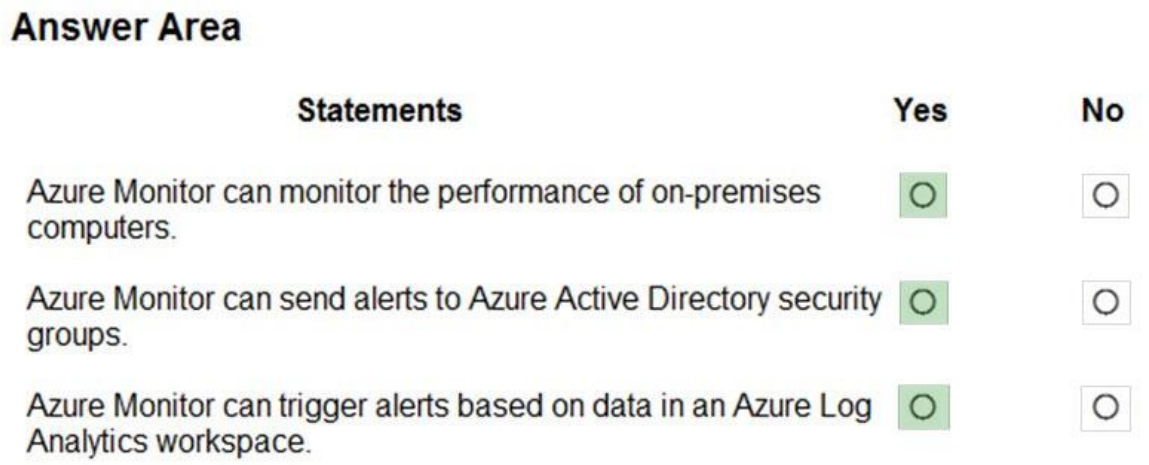
HOTSPOT -
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:



Hide Solution Discussion 49

Correct Answer:



Box 1: Yes -
Azure Monitor maximizes the availability and performance of your applications and services by delivering a comprehensive solution for collecting, analyzing, and acting on telemetry from your cloud and on-premises environments.

Box 2: Yes -
Alerts in Azure Monitor proactively notify you of critical conditions and potentially attempt to take corrective action.

Box 3: Yes -
Azure Monitor uses Target Resource, which is the scope and signals available for alerting. A target can be any Azure resource. Example targets: a virtual machine, a storage account, a virtual machine scale set, a Log Analytics workspace, or an Application Insights resource.
References:
https://docs.microsoft.com/en-us/azure/azure-monitor/overview
https://docs.microsoft.com/en-us/azure/azure-monitor/platform/alerts-overview

Question #95 *Topic 1*

Which Azure service provides a set of version control tools to manage code?

- A. Azure Repos
- B. Azure DevTest Labs
- C. Azure Storage
- D. Azure Cosmos DB

Hide Solution | Discussion 22

Correct Answer: *A*

Azure Repos is a set of version control tools that you can use to manage your code.

Incorrect Answers:

B: Azure DevTest Labs creates labs consisting of pre-configured bases or Azure Resource Manager templates. These have all the necessary tools and software that you can use to create environments.

D: Azure Cosmos DB is Microsoft's globally distributed, multi-model database service.

References:

https://docs.microsoft.com/en-us/azure/devops/repos/get-started/what-is-repos?view=azure-devops

Community vote distribution

A (100%)

Previous Questions Next Questions

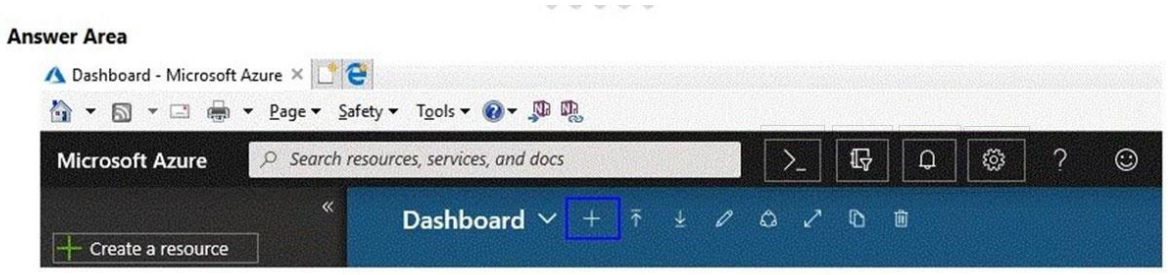
Question #96 *Topic 1*

HOTSPOT -

You need to manage Azure by using Azure Cloud Shell.

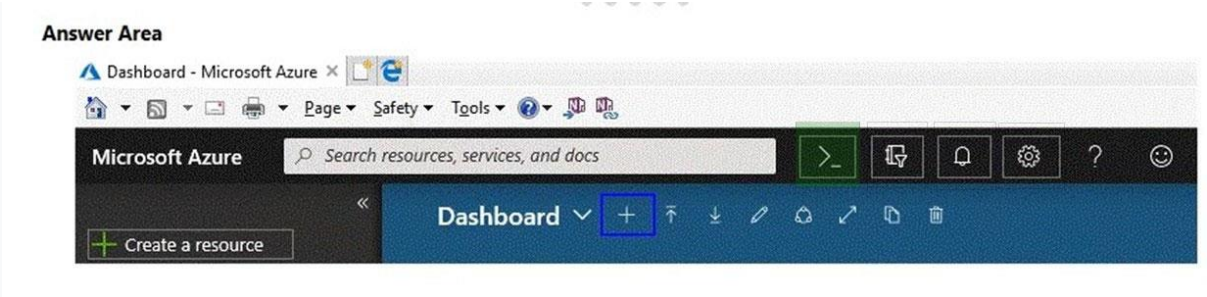
Which Azure portal icon should you select? To answer, select the appropriate icon in the answer area.

Hot Area:



Hide Solution | Discussion 40

Correct Answer:



You can access Azure Cloud Shell in the Azure portal by clicking the icon.
Azure Cloud Shell is an interactive, authenticated, browser-accessible shell for managing Azure resources. It provides the flexibility of choosing the shell experience that best suits the way you work, either Bash or PowerShell.
Cloud Shell enables access to a browser-based command-line experience built with Azure management tasks in mind.
References:
https://docs.microsoft.com/en-us/azure/cloud-shell/overview?view=azure-cli-latest

Question #97 *Topic 1*

You have a virtual machine named VM1 that runs Windows Server 2016. VM1 is in the East US Azure region.
Which Azure service should you use from the Azure portal to view service failure notifications that can affect the availability of VM1?

- A. Azure Service Fabric
- B. Azure Monitor **Most Voted**
- C. Azure virtual machines
- D. Azure Advisor

Hide Solution | Discussion 159

Correct Answer: *C*
In the Azure virtual machines page in the Azure portal, there is a named Maintenance Status. This column will display service issues that could affect your virtual machine. A service failure is rare but host server maintenance that could affect your virtual machines is more common.
Azure periodically updates its platform to improve the reliability, performance, and security of the host infrastructure for virtual machines. The purpose of these updates ranges from patching software components in the hosting environment to upgrading networking components or decommissioning hardware.
References:
https://docs.microsoft.com/en-us/azure/virtual-machines/maintenance-and-updates
Community vote distribution

B (67%)
C (33%)

Question #98 *Topic 1*

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.
An Azure administrator plans to run a PowerShell script that creates Azure resources.
You need to recommend which computer configuration to use to run the script.
Solution: Run the script from a computer that runs Linux and has the Azure CLI tools installed.
Does this meet the goal?

- A. Yes
- B. No

Hide Solution Discussion 139

Correct Answer: *B*
A PowerShell script is a file that contains PowerShell cmdlets and code. A PowerShell script needs to be run in PowerShell.
PowerShell can now be installed on Linux. However, the question states that the computer has Azure CLI tools, not PowerShell installed. Therefore, this solution does not meet the goal.
References:
https://docs.microsoft.com/en-us/powershell/scripting/components/ise/how-to-write-and-run-scripts-in-the-windows-powershell-ise?view=powershell-6
Community vote distribution
B (100%)

Question #99*Topic 1*
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.
An Azure administrator plans to run a PowerShell script that creates Azure resources.
You need to recommend which computer configuration to use to run the script.
Solution: Run the script from a computer that runs Chrome OS and uses Azure Cloud Shell.
Does this meet the goal?

- A. Yes
- B. No

Hide Solution Discussion 230

Correct Answer: *A*
A PowerShell script is a file that contains PowerShell cmdlets and code. A PowerShell script needs to be run in PowerShell.
With the Azure Cloud Shell, you can run PowerShell cmdlets and scripts in a Web browser.
You log in to the Azure Portal and select the Azure Cloud Shell option.
This will open a PowerShell session in the Web browser. The Azure Cloud Shell has the necessary Azure PowerShell module installed.
Note: to run a PowerShell script in the Azure Cloud Shell, you need to change to the directory where the PowerShell script is stored.

References:
https://docs.microsoft.com/en-us/azure/cloud-shell/quickstart-powershell

Question #100*Topic 1*

HOTSPOT -
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.
Hot Area:

Answer Area

Statements	Yes	No
From Azure Service Health, an administrator can view the health of all the services in an Azure environment.	○	○
From Azure Service Health, an administrator can create a rule to be alerted if an Azure service fails.	○	○
From Azure Service Health, an administrator can prevent a service failure	○	○

Hide Solution Discussion 25

Correct Answer:

Answer Area

Statements	Yes	No
From Azure Service Health, an administrator can view the health of all the services in an Azure environment.	○	○
From Azure Service Health, an administrator can create a rule to be alerted if an Azure service fails.	○	○
From Azure Service Health, an administrator can prevent a service failure	○	○

Box 1: Yes -
Azure Service Health consists of three components: Azure Status, Azure Service Heath and Azure Resource Health.
Azure service health provides a personalized view of the health of the Azure services and regions you're using. This is the best place to look for service impacting communications about outages, planned maintenance activities, and other health advisories because the authenticated Azure Service Health experience knows which services and resources you currently use.
To view the health of all other services available in Azure, you would use the Azure Status component of Azure Service Health. Azure status informs you of service outages in Azure on the Azure Status page. The page is a global view of the health of all Azure services across all Azure regions.

Box 2: Yes -
The best way to use Service Health is to set up Service Health alerts to notify you via your preferred communication channels when service issues, planned maintenance, or other changes may affect the Azure services and regions you use.

Box 3: No -
You can use Resource Health to view the health of a virtual machine. However, you cannot use Resource Health to prevent a service failure affecting the virtual machine.
Azure resource health provides information about the health of your individual cloud resources such as a specific virtual machine instance.
References:
https://docs.microsoft.com/en-us/azure/service-health/overview

Previous QuestionsNext Questions

Question #101*Topic 1*

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.
An Azure administrator plans to run a PowerShell script that creates Azure resources.
You need to recommend which computer configuration to use to run the script.
Solution: Run the script from a computer that runs macOS and has PowerShell Core 6.0 installed.
Does this meet the goal?

- A. Yes **Most Voted**
- B. No **Most Voted**

Hide Solution Discussion 119

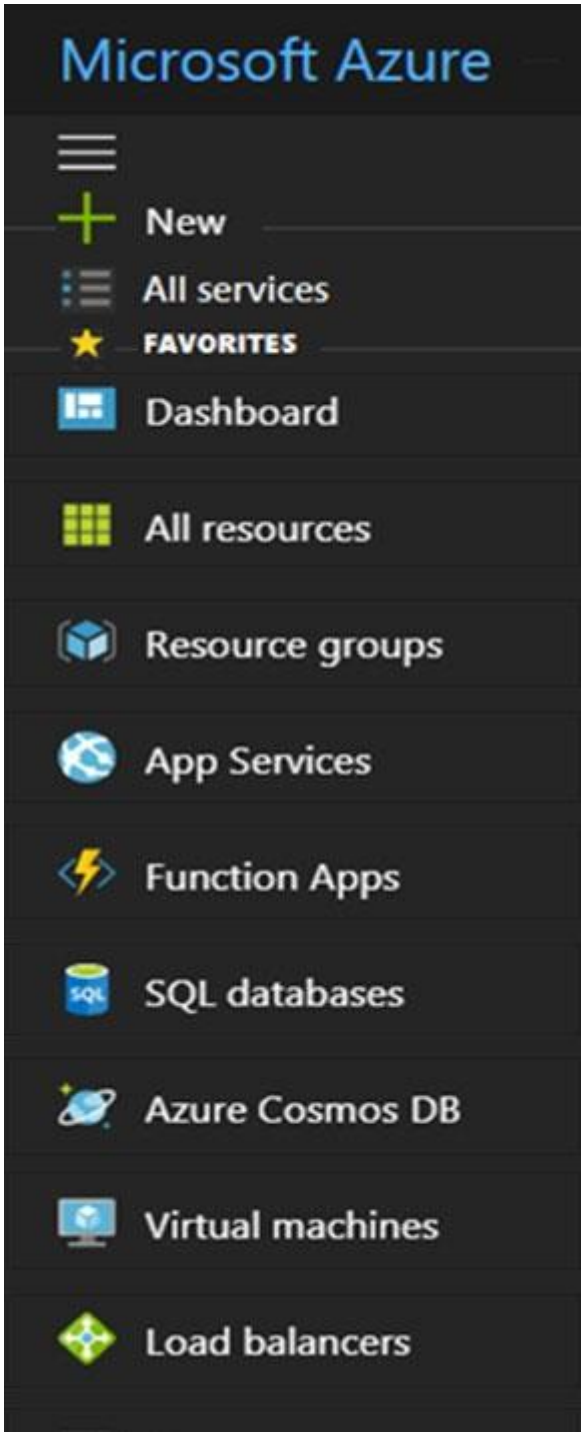
Correct Answer: *A*
A PowerShell script is a file that contains PowerShell cmdlets and code. A PowerShell script needs to be run in PowerShell.
In this question, the computer has PowerShell Core 6.0 installed. Therefore, this solution does meet the goal.
Note: To create Azure resources using PowerShell, you would need to import the Azure PowerShell module which includes the PowerShell cmdlets required to create the resources.
References:
https://docs.microsoft.com/en-us/powershell/scripting/components/ise/how-to-write-and-run-scripts-in-the-windows-powershell-ise?view=powershell-6
Community vote distribution

B (50%)
A (50%)

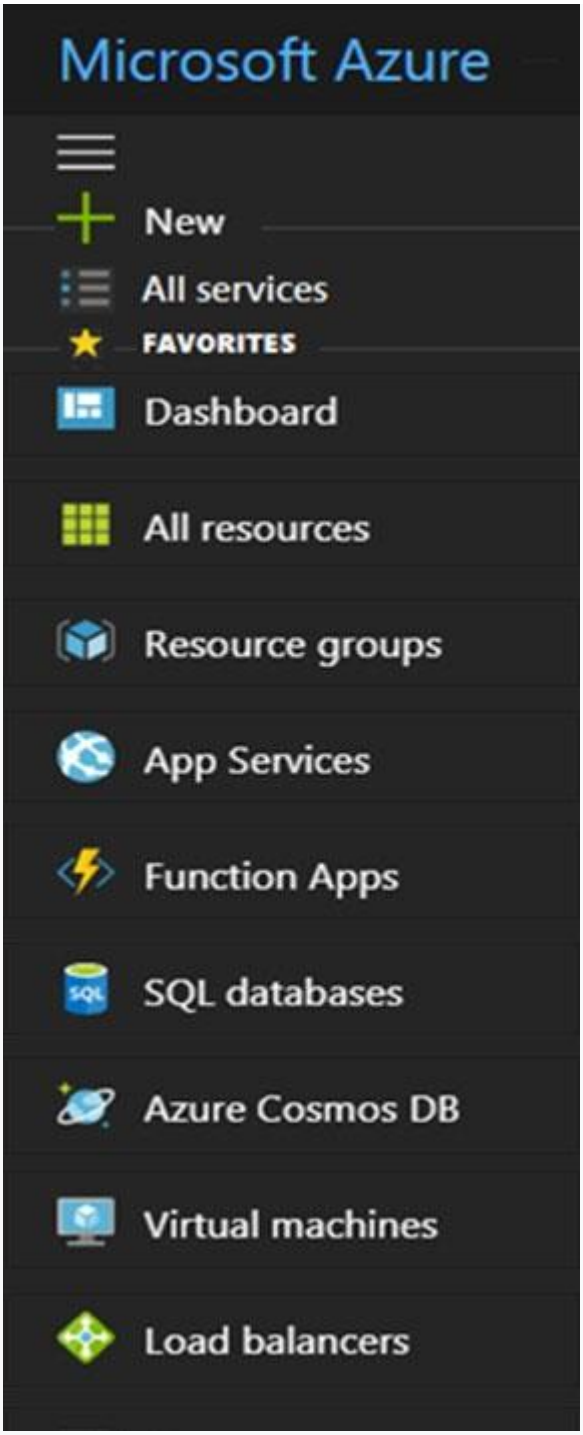
Question #102*Topic 1*

HOTSPOT -
You need to view a list of planned maintenance events that can affect the availability of an Azure subscription.
Which blade should you use from the Azure portal? To answer, select the appropriate blade in the answer area.

Hot Area:



Hide Solution Discussion 37



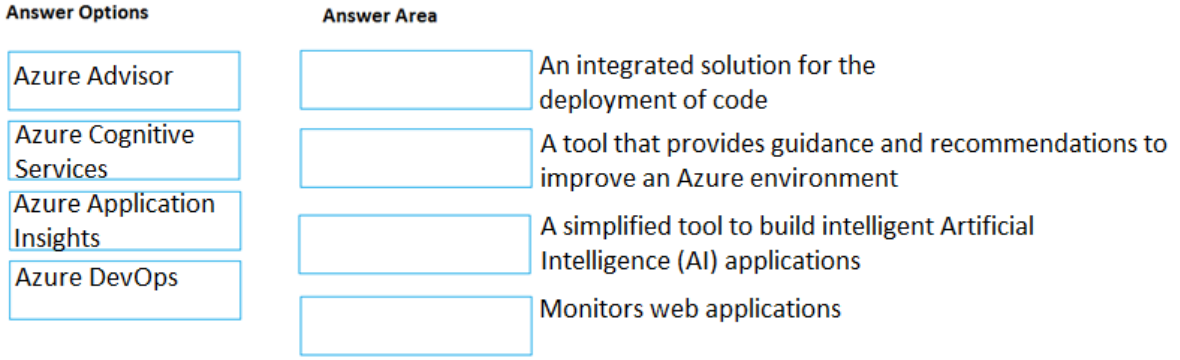
Correct Answer:

On the Help and Support blade, there is a Service Health option. If you click Service Health, a new blade opens. The Service Health blade contains the Planned
Maintenance link which opens a blade where you can view a list of planned maintenance events that can affect the availability of an Azure subscription.

Question #103*Topic 1*

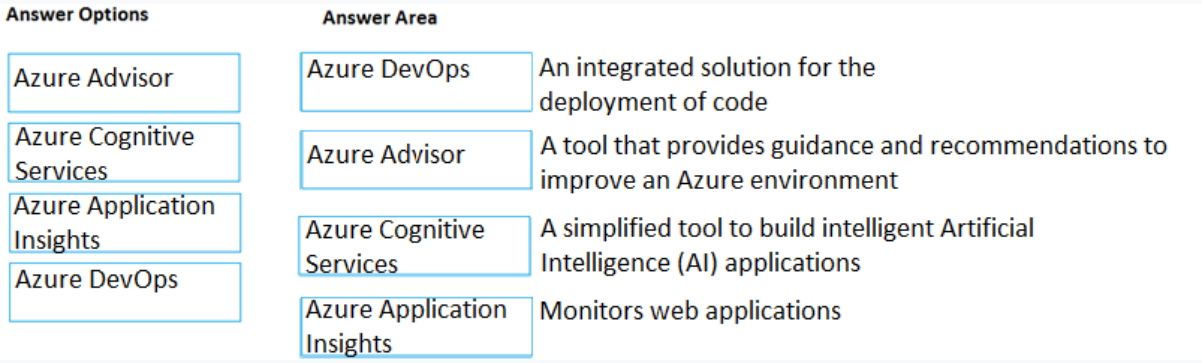
DRAG DROP -
Match the Azure service to the correct definition.
Instructions: To answer, drag the appropriate Azure service from the column on the left to its description on the right. Each service may be used once, more than once, or not at all.
NOTE: Each correct match is worth one point.

Select and Place:



Hide Solution Discussion 10

Correct Answer:

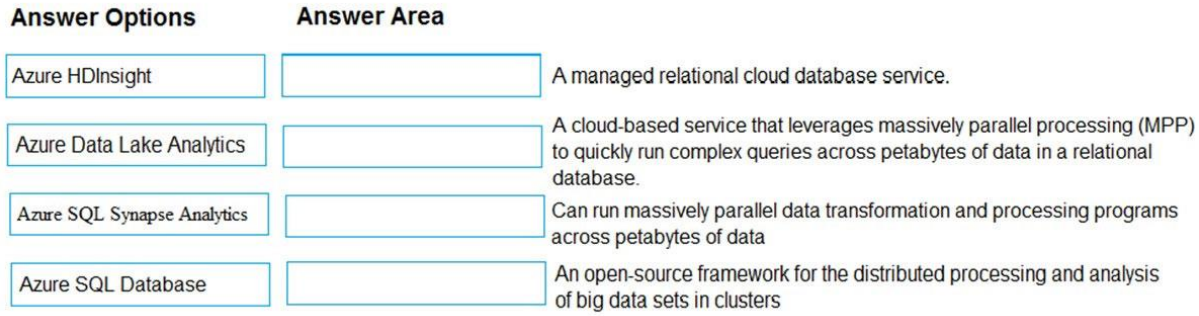


Box 1: Azure DevOps.
Azure DevOps is Microsoft's primary software development and deployment platform. DevOps influences the application lifecycle throughout its plan, develop, deliver and operate phases.
Box 2: Azure Advisor.
Advisor is a personalized cloud consultant that helps you follow best practices to optimize your Azure deployments. It analyzes your resource configuration and usage telemetry and then recommends solutions that can help you improve the cost effectiveness, performance, high availability, and security of your Azure resources.
Box 3: Azure Cognitive Services.
Azure Cognitive Services are APIs, SDKs, and services available to help developers build intelligent applications without having direct AI or data science skills or knowledge. Azure Cognitive Services enable developers to easily add cognitive features into their applications. The goal of Azure Cognitive Services is to help developers create applications that can see, hear, speak, understand, and even begin to reason. The catalog of services within Azure Cognitive Services can be categorized into five main pillars - Vision, Speech, Language, Web Search, and Decision.
Box 4. Azure Application Insights.
Azure Application Insights detects and diagnoses anomalies in web apps.
Application Insights, a feature of Azure Monitor, is an extensible Application Performance Management (APM) service for developers and DevOps professionals.
Use it to monitor your live applications. It will automatically detect performance anomalies, and includes powerful analytics tools to help you diagnose issues and to understand what users actually do with your app.
References:

https://docs.microsoft.com/en-us/azure/azure-monitor/app/app-insights-overview https://azure.microsoft.com/en-gb/overview/what-is-devops/ https://docs.microsoft.com/en-us/azure/advisor/advisor-overview https://docs.microsoft.com/en-us/azure/cognitive-services/welcome

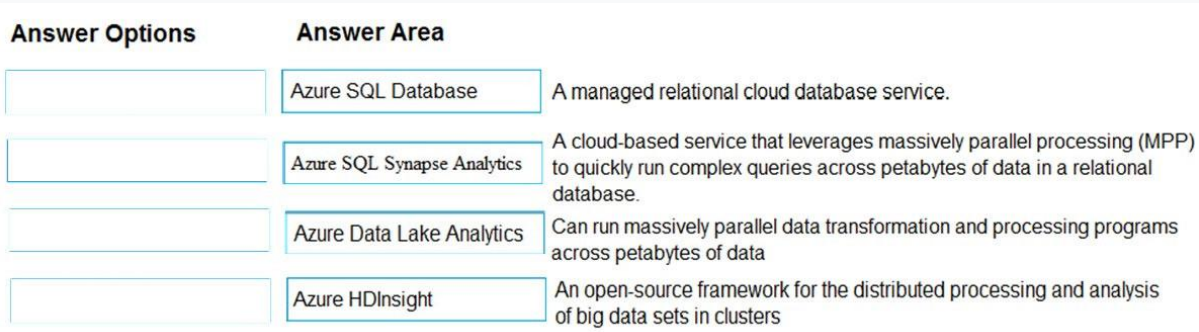
Question #104*Topic 1*

DRAG DROP -
Match the Azure service 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 match is worth one point.
Select and Place:



Hide Solution Discussion 16

Correct Answer:



Box 1: Azure SQL Database -
SQL Server is a relational database service. Azure SQL Database is a managed SQL Server Database in Azure. The SQL Server is managed by Microsoft; you just have access to the database.
Box 2: Azure SQL Synapse Analytics
Azure SQL Synapse Analytics (previously called Data Warehouse) is a cloud-based Platform-as-a-Service (PaaS) offering from Microsoft. It is a large-scale, distributed, MPP (massively parallel processing) relational database technology in the same class of competitors as Amazon Redshift or Snowflake. Azure SQL
Synapse Analytics is an important component of the Modern Data Warehouse multi-platform architecture. Because Azure SQL Synapse Analytics is an MPP system with a shared-nothing architecture across distributions, it is meant for large-scale analytical workloads which can take advantage of parallelism.
Box 3: Azure Data Lake Analytics
You can process big data jobs in seconds with Azure Data Lake Analytics. You can process

petabytes of data for diverse workload categories such as querying,
ETL, analytics, machine learning, machine translation, image processing and sentiment analysis by leveraging existing libraries written in .NET languages, R or
Python.
Box 4: Azure HDInsight.
Apache Hadoop was the original open-source framework for distributed processing and analysis of big data sets on clusters. The Hadoop ecosystem includes related software and utilities, including Apache Hive, Apache HBase, Spark, Kafka, and many others.
Azure HDInsight is a fully managed, full-spectrum, open-source analytics service in the cloud for enterprises. The Apache Hadoop cluster type in Azure HDInsight allows you to use HDFS, YARN resource management, and a simple MapReduce programming model to process and analyze batch data in parallel.
Reference:
https://azure.microsoft.com/en-us/services/sql-database/
https://docs.microsoft.com/en-us/azure/sql-data-warehouse/sql-data-warehouse-overview-what-is https://docs.microsoft.com/bs-latn-ba/azure/hdinsight/hadoop/apache-hadoop-introduction https://www.blue-granite.com/blog/is-azure-sql-data-warehouse-a-good-fit-updated https://azure.microsoft.com/en-gb/services/data-lake-analytics/

Question #105*Topic 1*

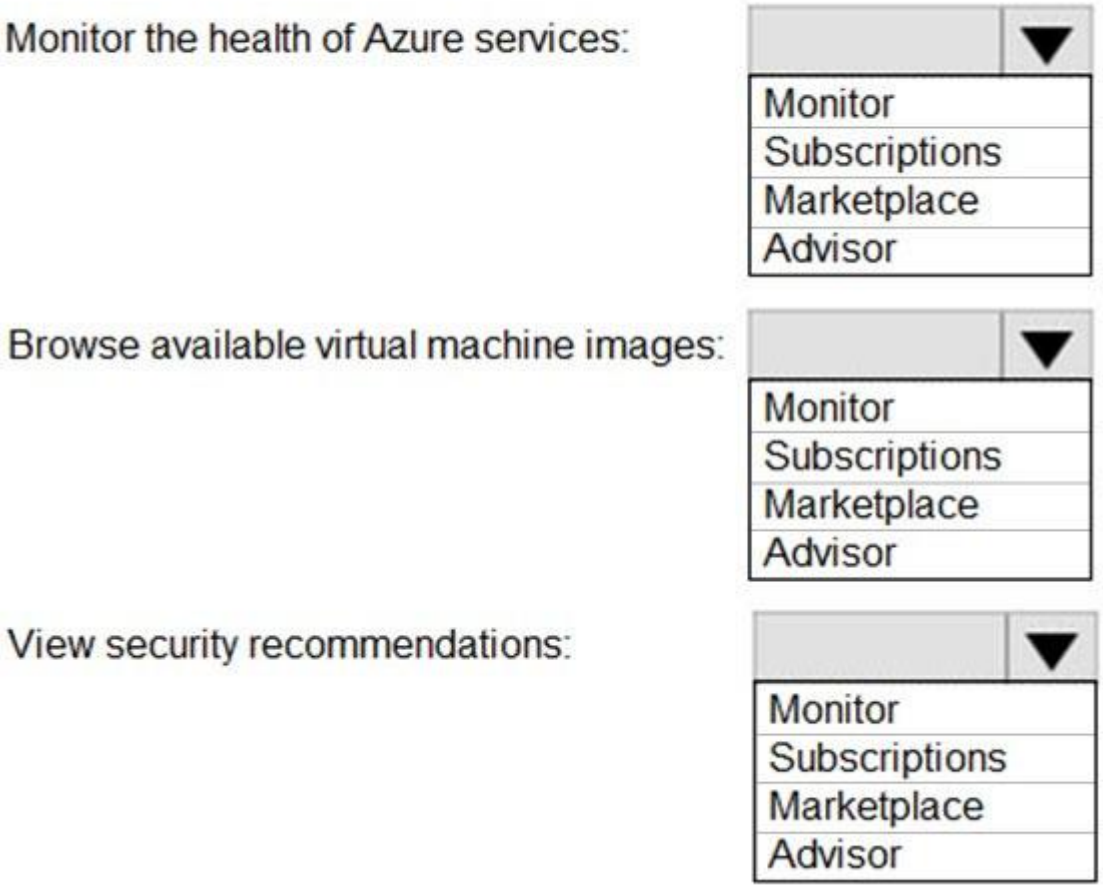
HOTSPOT -
You need to identify which blades in the Azure portal must be used to perform the following tasks:

- ☞ View security recommendations.
- ☞ Monitor the health of Azure services.
- ☞ Browse available virtual machine images.

Which blade should you identify for each task? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Hot Area:

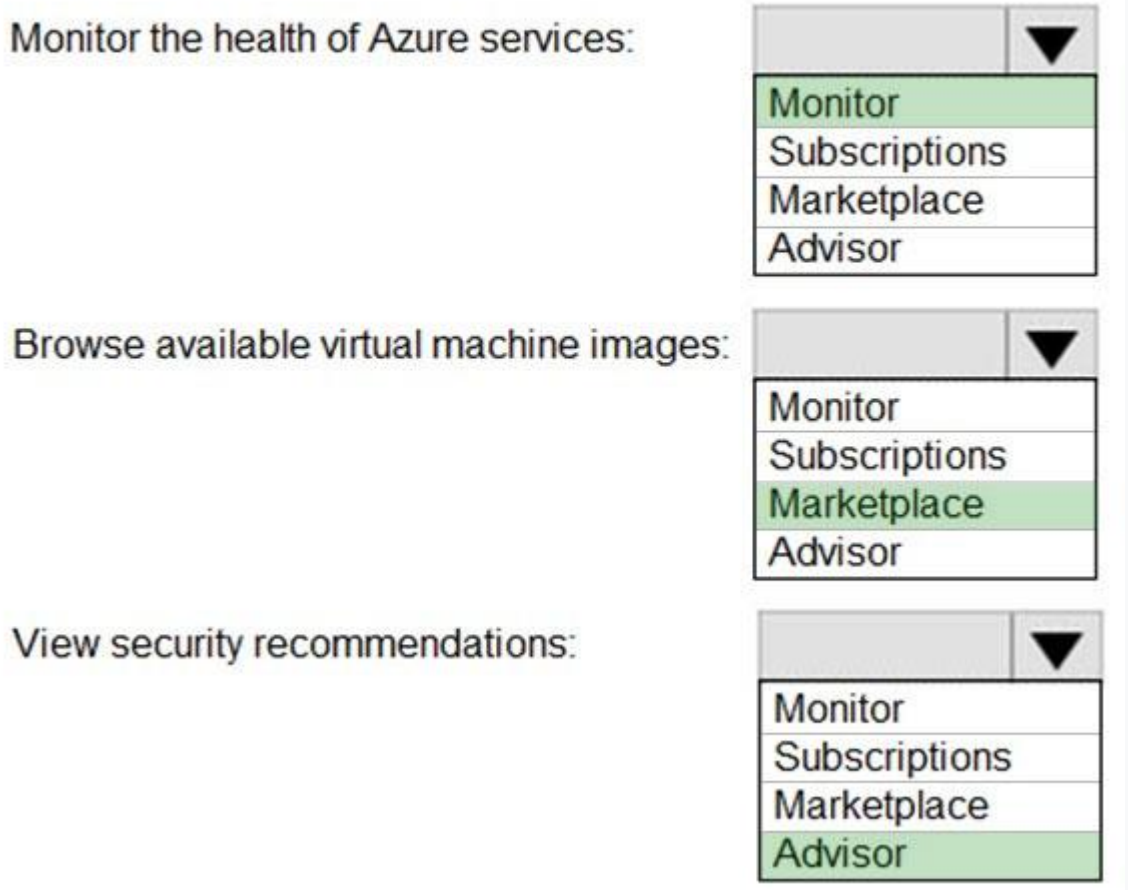
Answer Area



Hide Solution Discussion 28

Correct Answer:

Answer Area



Box 1:
Azure Monitor is used to monitor the health of Azure services.
Azure Monitor maximizes the availability and performance of your applications and services by delivering a comprehensive solution for collecting, analyzing, and acting on telemetry from your cloud and on-premises environments. It helps you understand how your applications are performing and proactively identifies issues affecting them and the resources they depend on.
Box 2:
You can browse available virtual machine images in the Azure Marketplace.
Azure Marketplace provides access and information on solutions and services available from Microsoft and their partners. Customers can discover, try, or buy cloud software solutions built on or for Azure. The catalog of 8,000+ listings provides Azure building blocks, such as Virtual Machines (VMs), APIs, Azure apps,
Solution Templates and managed applications, SaaS apps, containers, and consulting services.
Box 3.
Azure Advisor displays security recommendations.
Azure Advisor provides you with a consistent, consolidated view of recommendations for all your Azure resources. It integrates with Azure Security Center to bring you security recommendations. You can get security recommendations from the Security tab on the Advisor dashboard.

Security Center helps you prevent, detect, and respond to threats with increased visibility into and control over the security of your Azure resources. It periodically analyzes the security state of your Azure resources. When Security Center identifies potential security vulnerabilities, it creates recommendations. The recommendations guide you through the process of configuring the controls you need.
References:
https://docs.microsoft.com/en-us/azure/azure-monitor/overview
https://docs.microsoft.com/en-us/azure/marketplace/marketplace-faq-publisher-guide
https://docs.microsoft.com/en-us/azure/advisor/advisor-security-recommendations

Previous QuestionsNext Questions

Question #106*Topic 1*

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.
You have an Azure environment. You need to create a new Azure virtual machine from a tablet that runs the Android operating system.
Solution: You use Bash in Azure Cloud Shell.
Does this meet the goal?

- A. Yes
- B. No

Hide Solution Discussion 10

Correct Answer: *A*
With Azure Cloud Shell, you can create virtual machines using Bash or PowerShell.
Azure Cloud Shell is an interactive, authenticated, browser-accessible shell for managing Azure resources. It provides the flexibility of choosing the shell experience that best suits the way you work, either Bash or PowerShell.
Reference:
https://docs.microsoft.com/en-us/azure/cloud-shell/quickstart https://docs.microsoft.com/en-us/azure/cloud-shell/overview
Community vote distribution
R (100%)

Question #107*Topic 1*

You have an on-premises application that sends email notifications automatically based on a rule.
You plan to migrate the application to Azure.
You need to recommend a serverless computing solution for the application.
What should you include in the recommendation?

- A. a web app
- B. a server image in Azure Marketplace

- C. a logic app
- D. an API app

Hide Solution Discussion 41

Correct Answer: *C*

Azure Logic Apps is a cloud service that helps you schedule, automate, and orchestrate tasks, business processes, and workflows when you need to integrate apps, data, systems, and services across enterprises or organizations. Logic Apps simplifies how you design and build scalable solutions for app integration, data integration, system integration, enterprise application integration (EAI), and business-to-business (B2B) communication, whether in the cloud, on premises, or both.

For example, here are just a few workloads you can automate with logic apps:

☞ Process and route orders across on-premises systems and cloud services.

☞ Send email notifications with Office 365 when events happen in various systems, apps, and services.

☞ Move uploaded files from an SFTP or FTP server to Azure Storage.

☞ Monitor tweets for a specific subject, analyze the sentiment, and create alerts or tasks for items that need review.

References:

https://docs.microsoft.com/en-us/azure/logic-apps/logic-apps-overview

Community vote distribution

C (100%)

Question #108*Topic 1*

You plan to deploy a website to Azure. The website will be accessed by users worldwide and will host large video files.

You need to recommend which Azure feature must be used to provide the best video playback experience.

What should you recommend?

- A. an application gateway
- B. an Azure ExpressRoute circuit
- C. a content delivery network (CDN)
- D. an Azure Traffic Manager profile

Hide Solution Discussion 35

Correct Answer: *C*

The question states that users are located worldwide and will be downloading large video files. The video playback experience would be improved if they can download the video from servers in the same region as the users. We can achieve this by using a content deliver network.

A content delivery network (CDN) is a distributed network of servers that can efficiently deliver web content to users. CDNs store cached content on edge servers in point-of-presence (POP) locations that are close to end users, to minimize latency.

Azure Content Delivery Network (CDN) offers developers a global solution for rapidly delivering high-bandwidth content to users by caching their content at strategically placed physical nodes across the world. Azure CDN can also accelerate dynamic content, which cannot be cached, by leveraging various network optimizations using CDN POPs. For

example, route optimization to bypass Border Gateway Protocol (BGP).
The benefits of using Azure CDN to deliver web site assets include:

☞ Better performance and improved user experience for end users, especially when using applications in which multiple round-trips are required to load content.

☞ Large scaling to better handle instantaneous high loads, such as the start of a product launch event.

☞ Distribution of user requests and serving of content directly from edge servers so that less traffic is sent to the origin server.

References:
https://docs.microsoft.com/en-us/azure/cdn/cdn-overview

Community vote distribution

C (100%)

Question #109*Topic 1*

Your company plans to deploy several million sensors that will upload data to Azure.
You need to identify which Azure resources must be created to support the planned solution.
Which two Azure resources should you identify? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

- A. Azure Data Lake
- B. Azure Queue storage
- C. Azure File Storage
- D. Azure IoT Hub
- E. Azure Notification Hubs

Hide Solution | Discussion 106

Correct Answer: *AD*

IoT Hub (Internet of things Hub) provides data from millions of sensors.
IoT Hub is a managed service, hosted in the cloud, that acts as a central message hub for bi-directional communication between your IoT application and the devices it manages. You can use Azure IoT Hub to build IoT solutions with reliable and secure communications between millions of IoT devices and a cloud- hosted solution backend. You can connect virtually any device to IoT Hub.
There are two storage services IoT Hub can route messages to -- Azure Blob Storage and Azure Data Lake Storage Gen2 (ADLS Gen2) accounts. Azure Data
Lake Storage accounts are hierarchical namespace-enabled storage accounts built on top of blob storage. Both of these use blobs for their storage.
References:
https://docs.microsoft.com/en-us/azure/iot-hub/about-iot-hub
https://docs.microsoft.com/en-us/azure/iot-hub/iot-hub-devguide-messages-d2c

Community vote distribution

AD (100%)

Question #110*Topic 1*

You have an Azure web app.
You need to manage the settings of the web app from an iPhone.
What are two Azure management tools that you can use? Each correct answer presents a

complete solution.
NOTE: Each correct selection is worth one point.

- A. Azure CLI
- B. the Azure portal
- C. Azure Cloud Shell
- D. Windows PowerShell
- E. Azure Storage Explorer

Hide Solution Discussion 169

Correct Answer: *BC*

The Azure portal is the web-based portal for managing Azure. Being web-based, you can use the Azure portal on an iPhone.
Azure Cloud Shell is a web-based command line for managing Azure. You access the Azure Cloud Shell from the Azure portal. Being web-based, you can use the
Azure Cloud Shell on an iPhone.
Incorrect Answers:
A: Azure CLI can be installed on MacOS but it cannot be installed on an iPhone.
D: Windows PowerShell can be installed on MacOS but it cannot be installed on an iPhone.
E: Azure Storage Explorer is not used to manage Azure web apps.
References:
http://www.deployazure.com/management/managing-azure-from-ipad/

Community vote distribution

BC (100%)

Previous QuestionsNext Questions

https://www.examtopics.com/exams/microsoft/az-900/view/

QUESTION 1

You have an Azure environment that contains 10 virtual networks and 100 virtual machines.

You need to limit the amount of inbound traffic to all the Azure virtual networks.

What should you create?

A. one network security group (NSG)

B. 10 virtual network gateways

C. 10 Azure ExpressRoute circuits

D. one Azure firewall

Correct Answer: D

QUESTION 2

What are two characteristics of the public cloud? Each correct answer presents a complete solution. NOTE: Each

correct selection is worth one point.

A. dedicated hardware

B. unsecured connections

C. limited storage

D. metered pricing

E. self-service management

Correct Answer: DE

QUESTION 3

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.

An Azure administrator plans to run a PowerShell script that creates Azure resources.

You need to recommend which computer configuration to use to run the script.

Solution: Run the script from a computer that runs Linux and has the Azure CLI tools installed.

Does this meet the goal?

A. Yes

B. No

Correct Answer: B

QUESTION 4

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 Azure environment contains multiple Azure virtual machines.

You need to ensure that a virtual machine named VM1 is accessible from the Internet over HTTP.

Solution: You modify a DDoS protection plan.

Does this meet the goal?

A. Yes

B. No

Correct Answer: B

QUESTION 5

To what should an application connect to retrieve security tokens?

A. an Azure Storage account

B. Azure Active Directory (Azure AD)

C. a certificate store

D. an Azure key vault

Correct Answer: B

QUESTION 6

This question requires that you evaluate the underlined text to determine if it is correct.

When you are implementing a software as a service (SaaS) solution, you are responsible for configuring high

availability.

Instructions: Review the underlined text. If it makes the statement correct, select "No change is needed". If the

statement is incorrect, select the answer choice that makes the statement correct.

A. No change is needed.

B. defining scalability rules

C. installing the SaaS solution

D. configuring the SaaS solution

Correct Answer: D

QUESTION 7

This question requires that you evaluate the underlined text to determine if it is correct.

Azure policies provide a common platform for deploying objects to a cloud infrastructure and for implementing

consistency across the Azure environment.

Instructions: Review the underlined text. If it makes the statement correct, select "No change is needed". If the

statement is incorrect, select the answer choice that makes the statement correct.

A. No change is needed

B. Resource groups provide

C. Azure Resource Manager provides

D. Management groups provide

Correct Answer: C

QUESTION 8

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.

An Azure administrator plans to run a PowerShell script that creates Azure resources.

You need to recommend which computer configuration to use to run the script.

Solution: Run the script from a computer that runs macOS and has PowerShell Core 6.0 installed.

Does this meet the goal?

A. Yes

B. No

Correct Answer: A

QUESTION 9

Which Azure service should you use to correlate events from multiple resources into a centralized repository?

A. Azure Event Hubs

B. Azure Analysis Services

C. Azure Monitor

D. Azure Log Analytics

Correct Answer: D

QUESTION 10

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 purchase Azure.

The company\\'s support policy states that the Azure environment must provide an option to access support engineers

by phone or email. You need to recommend which support plan meets the support policy requirement.

Solution: Recommend a Standard support plan.

Does this meet the goal?

A. Yes

B. No

Correct Answer: A

QUESTION 11

Note: This question is part of a series of questions that present the same scenario. Each question in the series containsa 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 notappear in the review screen.

An Azure administrator plans to run a PowerShell script that creates Azure resources.

You need to recommend which computer configuration to use to run the script.

Solution: Run the script from a computer that runs Chrome OS and uses Azure Cloud Shell.

Does this meet the goal?

A. Yes

B. No

Correct Answer: B

QUESTION 12

You have an on-premises network that contains several servers.

You plan to migrate all the servers to Azure.

You need to recommend a solution to ensure that some of the servers are available if a single Azure data center goes

offline for an extended period.

What should you include in the recommendation?

A. fault tolerance

B. elasticity

C. scalability

D. low latency

Correct Answer: A

QUESTION 13

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 purchase Azure.

The company\\'s support policy states that the Azure environment must provide an option to access support engineers

by phone or email. You need to recommend which support plan meets the support policy requirement.

Solution: Recommend a Premier support plan.

Does this meet the goal?

A. Yes

B. No

Correct Answer: A