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Question #91

Topic 1

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

- A. enables the rapid provisioning of resources

Most Voted
- B. has increased administrative complexity
- C. has the same configuration options as on-premises
- D. shifts capital expenditures (CAPEX) to operating expenditures (OPEX)

Most Voted

Correct Answer: AD

Azure allows you to build, deploy, and manage apps more quickly and easily without having to buy and/or maintain the underlying infrastructure. Azure provides flexibility between CapEx and OpEx
Capital expenditures generate benefits over a long period. These expenditures are generally nonrecurring and result in the acquisition of permanent assets.
Building an application could qualify as a capital expenditure. Example, Azure Reserved Instances (Azure RI) help Azure's most active customers save on long- term VM usage reserving VMs in advance at a discounted price by committing to a one or three-year benefits.
Operating expenditures are ongoing costs of doing business. Consuming cloud services in a pay-as-you-go model could qualify as an operating expenditure.
Example, you pay for a service or product as you use it i.e. pay-as-you-go pricing.
Reference:
<https://www.protechtraining.com/blog/post/top-5-benefits-of-microsoft-azure-for-business-934> <https://www.azureguru.org/capex-vs-opex/#>

Community vote distribution

AD (100%)

Question #92

Topic 1

What is a feature of an Azure virtual network?

- A. resource cost analysis
- B. packet inspection
- C. geo-redundancy

D. isolation and segmentation **Most Voted**

Correct Answer: D

Implement network segmentation patterns on Azure.

A unified enterprise segmentation strategy guides technical teams to consistently segment access using networking, applications, identity, and any other access controls. Create segmentation in your network footprint by defining perimeters.

The main reasons for segmentation are:

The ability to group related assets that are a part of (or support) workload operations.

Isolation of resources.

Governance policies set by the organization.

Reference:

<https://docs.microsoft.com/en-us/azure/architecture/framework/security/design-network-segmentation>

Community vote distribution

D (100%)

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

Answer Area

Elasticity

Geo-distribution

High availability

Scalability

enables Azure resources to be deployed close to users.

Answer Area

Correct Answer:

Elasticity

Geo-distribution

High availability

Scalability

enables Azure resources to be deployed close to users.

Because of geo-distribution you can deploy apps and data to regional datacenters around the globe, thereby ensuring that your customers always have the best performance in their region.

Reference:

<https://docs.microsoft.com/learn/modules/fundamental-azure-concepts/benefits-of-cloud-computing>

Question #94

Topic 1

DRAG DROP -

Match the cloud computing benefits to the appropriate descriptions.

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:

Benefits

Disaster recovery

Geo-distribution

High availability

Scalability

Answer Area

Benefit

Benefit

Benefit

Increase the compute capacity of apps in the cloud.

Provide a continuous user experience with no apparent downtime.

Ensure that users always have the best experience by deploying apps to all the regions where there are users.

Correct Answer:

Benefits

Disaster recovery

Geo-distribution

High availability

Scalability

Answer Area

Scalability

High availability

Geo-distribution

Increase the compute capacity of apps in the cloud.

Provide a continuous user experience with no apparent downtime.

Ensure that users always have the best experience by deploying apps to all the regions where there are users.

Reference:

<https://docs.microsoft.com/learn/modules/fundamental-azure-concepts/benefits-of-cloud-computing>

Question #95

Topic 1

Which cloud computing benefit provides continuous user access to a cloud-based application with minimal downtime?

- A. agility
- B. scalability
- C. elasticity

D. high availability Most Voted

Correct Answer: D

Community vote distribution

D (100%)

Question #96

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

Most Voted

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%)

<https://www.examtopycs.com/exams/microsoft/az-900/view/10/>

5/9

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









Services

	NAT gateways	★
	Application gateways	★
	Local network gateways	★
	Virtual network gateways	★
	On-premises Data Gateways	★
	Azure Data Box Gateway	★
	Azure Stack Edge / Data Box Gateway	★
	Web Application Firewall policies	★

Answer Area

Correct Answer:

Services

	NAT gateways	★
	Application gateways	★
	Local network gateways	★
	Virtual network gateways	★
	On-premises Data Gateways	★
	Azure Data Box Gateway	★
	Azure Stack Edge / Data Box Gateway	★
	Web Application Firewall policies	★

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 and 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.

Reference:

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

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.

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

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 #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.

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 Most Voted

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>

Community vote distribution

B (100%)

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.	<input type="radio"/>	<input checked="" type="radio"/>
You can change the Azure Active Directory (Azure AD) tenant to which an Azure subscription is associated.	<input checked="" type="radio"/>	<input type="radio"/>
When an Azure subscription expires, the associated Azure Active Directory (Azure AD) tenant is deleted automatically.	<input type="radio"/>	<input checked="" type="radio"/>

Correct Answer:

Answer Area

Statements	Yes	No
An Azure subscription can be associated to multiple Azure Active Directory (Azure AD) tenants.	<input type="radio"/>	<input checked="" type="radio"/>
You can change the Azure Active Directory (Azure AD) tenant to which an Azure subscription is associated.	<input checked="" type="radio"/>	<input type="radio"/>
When an Azure subscription expires, the associated Azure Active Directory (Azure AD) tenant is deleted automatically.	<input type="radio"/>	<input checked="" type="radio"/>

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>

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