Exam Code: AZ-900

Exam Name: Microsoft Azure Fundamentals

QUESTION 1

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

Answer: D

QUESTION 2

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

Answer: A
Explanation:
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

QUESTION 3

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

An organization that hosts its infrastructure in a private cloud can decommission its data center.

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. in a hybrid cloud
C. in the public cloud
D. on a Hyper-V host

Answer: C

QUESTION 4
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

Answer: DE
Explanation:
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

QUESTION 5
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

Answer: B
Explanation:
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

QUESTION 6
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

Answer: A
Explanation:
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 7
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

Answer: A
Explanation:
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

QUESTION 8
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

Answer: D
Explanation:
You can restrict traffic to multiple virtual networks with a single Azure firewall.
Azure Firewall is a managed, cloud-based network security service that protects your Azure Virtual
Network resources. It's a fully stateful firewall as a service with built-in high availability and unrestricted cloud scalability.
You can centrally create, enforce, and log application and network connectivity policies across subscriptions and virtual networks. Azure Firewall uses a static public IP address for your virtual network resources allowing outside firewalls to identify traffic originating from your virtual network.
References:
https://docs.microsoft.com/en-us/azure/firewall/overview

QUESTION 9
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

Answer: C
Explanation:
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

QUESTION 10
Your company plans to deploy an Artificial Intelligence (AI) solution in Azure. What should the company use to build, test, and deploy predictive analytics solutions?

A. Azure Logic Apps
B. Azure Machine Learning Studio
C. Azure Batch
D. Azure Cosmos DB

Answer: B
Explanation:
Azure Machine Learning designer lets you visually connect datasets and modules on an interactive canvas to create machine learning models.
Reference:
https://docs.microsoft.com/en-us/azure/machine-learning/concept-designer

QUESTION 11
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

Answer: C

QUESTION 12
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

Answer: A
Explanation:
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

QUESTION 13
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

Answer: A
Explanation:
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 Storagefor long-term retention or micro-batch processing.
Reference:
https://docs.microsoft.com/en-us/azure/event-hubs/event-hubs-about

QUESTION 14
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

Answer: B
Explanation:
DDoS is a form of attack on a network resource. A DDoS protection plan is used to protect against DDoS attacks; it does not provide connectivity to a virtual machine.
To ensure that a virtual machine named VM1 is accessible from the Internet over HTTP, you need to modify a network security group or Azure Firewall.
References:
https://docs.microsoft.com/en-us/azure/virtual-network/ddos-protection-overview

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QUESTION 15
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 an Azure firewall.

Does this meet the goal?

A. Yes
B. No

Answer: A
Explanation:
Azure Firewall is a managed, cloud-based network security service that protects your Azure Virtual Network resources. It's a fully stateful firewall as a service with built-in high availability and unrestricted cloud scalability.
In this question, we need to add a rule to Azure Firewall to allow the connection to the virtual machine on port 80 (HTTP).
References:
https://docs.microsoft.com/en-us/azure/firewall/overview

QUESTION 16
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 an Azure Traffic Manager profile.

Does this meet the goal?

A. Yes
B. No

Answer: B
Explanation:
Azure Traffic Manager is a DNS-based load balancing solution. It is not used to ensure that a virtual machine named VM1 is accessible from the Internet over HTTP.
To ensure that a virtual machine named VM1 is accessible from the Internet over HTTP, you need to modify a network security group or Azure Firewall.
In this question, we need to add a rule to a network security group or Azure Firewall to allow the connection to the virtual machine on port 80 (HTTP).

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

QUESTION 17
You need to ensure that when Azure Active Directory (Azure AD) users connect to Azure AD from the Internet by using an anonymous IP address, the users are prompted automatically to change their password.
Which Azure service should you use?

A. Azure AD Connect Health
B. Azure AD Privileged Identity Management
C. Azure Advanced Threat Protection (ATP)
D. Azure AD Identity Protection

Answer: D
Explanation:
Azure AD Identity Protection includes two risk policies: sign-in risk policy and user risk policy. A sign-in risk represents the probability that a given authentication request isn't authorized by the identity owner.
There are several types of risk detection. One of them is Anonymous IP Address. This risk detection type indicates sign-ins from an anonymous IP address (for example, Tor browser or anonymous VPN). These
IP addresses are typically used by actors who want to hide their login telemetry (IP address, location, device, etc.) for potentially malicious intent.
You can configure the sign-in risk policy to require that users change their password.
References:
https://docs.microsoft.com/en-us/azure/active-directory/identity-protection/howto-sign-in-risk-policy
https://docs.microsoft.com/en-us/azure/active-directory/identity-protection/concept-identity-protection-risks

QUESTION 18
Your company plans to deploy several web servers and several database servers to Azure. You need to recommend an Azure solution to limit the types of connections from the web servers to the database servers.
What should you include in the recommendation?

A. network security groups (NSGs)
B. Azure Service Bus
C. a local network gateway
D. a route filter

Answer: A
Explanation:
A network security group works like a firewall. You can attach a network security group to a virtual network and/or individual subnets within the virtual network. You can also attach a network security group to a network interface assigned to a virtual machine. You can use multiple network security groups within a virtual network to restrict traffic between resources such as virtual machines and subnets.
You can filter network traffic to and from Azure resources in an Azure virtual network with a network security group. A network security group contains security rules that allow or deny inbound network traffic to, or outbound network traffic from, several types of Azure resources.
References:
https://docs.microsoft.com/en-us/azure/virtual-network/security-overview

QUESTION 19
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

Answer: B
Explanation:
Azure AD authenticates users and provides access tokens. An access token is a security token that is issued by an authorization server. It contains information about the user and the app for which the token is intended, which can be used to access Web APIs and other protected resources.
Instead of creating apps that each maintain their own username and password information, which incurs a high administrative burden when you need to add or remove users across multiple apps, apps can delegate that responsibility to a centralized identity provider.
Azure Active Directory (Azure AD) is a centralized identity provider in the cloud. Delegating authentication and authorization to it enables scenarios such as Conditional Access policies that require a user to be in a specific location, the use of multi-factor authentication, as well as enabling a user to sign in once and then be automatically signed in to all of the web apps that share the same centralized directory. This capability is referred to as Single Sign On (SSO).
References:
https://docs.microsoft.com/en-us/azure/active-directory/develop/authentication-scenarios

QUESTION 20
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
C. Azure policies
D. Azure App Service plans

Answer: C
Explanation:
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

QUESTION 21
Your network contains an Active Directory forest. The forest contains 5,000 user accounts. Your company plans to migrate all network resources to Azure and to decommission the on-premises data center.
You need to recommend a solution to minimize the impact on users after the planned migration.
What should you recommend?

A. Implement Azure Multi-Factor Authentication (MFA)
B. Sync all the Active Directory user accounts to Azure Active Directory (Azure AD)
C. Instruct all users to change their password
D. Create a guest user account in Azure Active Directory (Azure AD) for each user

Answer: B
Explanation:
To migrate to Azure and decommission the on-premises data center, you would need to create the 5,000 user accounts in Azure Active Directory. The easy way to do this is to sync all the Active Directory user accounts to Azure Active Directory (Azure AD). You can even sync their passwords to further minimize the impact on users.
The tool you would use to sync the accounts is Azure AD Connect. The Azure Active Directory Connect synchronization services (Azure AD Connect sync) is a main component of Azure AD Connect. It takes care of all the operations that are related to synchronize identity data between your on-premises environment and Azure AD.
References:
https://docs.microsoft.com/en-us/azure/active-directory/hybrid/how-to-connect-sync-whatis

QUESTION 22

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 Basic support plan.

Does this meet the goal?

A. Yes
B. No

Answer: B
Explanation:
The Basic support plan does not have any technical support for engineers.
Access to Support Engineers via email or phone is available in the following support plans: Premier, Professional Direct and standard.
References:
https://azure.microsoft.com/en-gb/support/plans/

QUESTION 23

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

Answer: A
Explanation:
https://azure.microsoft.com/en-gb/support/plans/

QUESTION 24

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

Answer: A
Explanation:
https://azure.microsoft.com/en-gb/support/plans/

QUESTION 25
Your company plans to request an architectural review of an Azure environment from Microsoft.
The company currently has a Basic support plan.
You need to recommend a new support plan for the company. The solution must minimize costs.
Which support plan should you recommend?

A. Premier
B. Developer
C. Professional Direct
D. Standard

Answer: A
Explanation:
The Premier support plan provides customer specific architectural support such as design reviews, performance tuning, configuration and implementation assistance delivered by Microsoft Azure technical specialists.
References:
https://azure.microsoft.com/en-gb/support/plans/

QUESTION 26
What is required to use Azure Cost Management?

A. a Dev/Test subscription
B. Software Assurance
C. an Enterprise Agreement (EA)
D. a pay-as-you-go subscription

Answer: C
Explanation:

Azure customers with an Azure Enterprise Agreement (EA), Microsoft Customer Agreement (MCA), or Microsoft Partner Agreement (MPA) can use Azure Cost Management.
Cost management is the process of effectively planning and controlling costs involved in your business.
Cost management tasks are normally performed by finance, management, and app teams. Azure Cost Management + Billing helps organizations plan with cost in mind. It also helps to analyze costs effectively and take action to optimize cloud spending.
Reference:
https://docs.microsoft.com/en-gb/azure/cost-management/overview-cost-mgt

QUESTION 27
This question requires that you evaluate the underlined text to determine if it is correct.

Your Azure trial account expired last week. You are now unable to create additional Azure Active Directory (Azure AD) user accounts.

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. start an existing Azure virtual machine
C. access your data stored in Azure
D. access the Azure portal

Answer: B

QUESTION 28
This question requires that you evaluate the underlined text to determine if it is correct.

You have several virtual machines in an Azure subscription. You create a new subscription. The virtual machines cannot be moved to the new subscription.

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. The virtual machines can be moved to the new subscription
C. The virtual machines can be moved to the new subscription only if they are all in the same resource group
D. The virtual machines can be moved to the new subscription only if they run Windows Server 2016.

Answer: B

QUESTION 29
Which two types of customers are eligible to use Azure Government to develop a cloud solution?
Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

A. a Canadian government contractor
B. a European government contractor
C. a United States government entity
D. a United States government contractor

E. a European government entity

Answer: CD
Explanation:
Azure Government is a cloud environment specifically built to meet compliance and security requirements for US government. This mission-critical cloud delivers breakthrough innovation to U.S. government customers and their partners. Azure Government applies to government at any level from state and local governments to federal agencies including Department of Defense agencies.
The key difference between Microsoft Azure and Microsoft Azure Government is that Azure Government is a sovereign cloud. It's a physically separated instance of Azure, dedicated to U.S. government workloads only. It's built exclusively for government agencies and their solution providers.
References:
https://docs.microsoft.com/en-us/learn/modules/intro-to-azure-government/2-what-is-azure-government

QUESTION 30
This question requires that you evaluate the underlined text to determine if it is correct.

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

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. Deploy a VPN
C. pay to transfer all the website data to Azure
D. reduce the number of connections to the website

Answer: A

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QUESTION 31
This question requires that you evaluate the underlined text to determine if it is correct.

An organization that hosts its infrastructure in a private cloud can decommission its data center.

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. in a hybrid cloud
C. in the public cloud
D. on a Hyper-V host

Answer: C

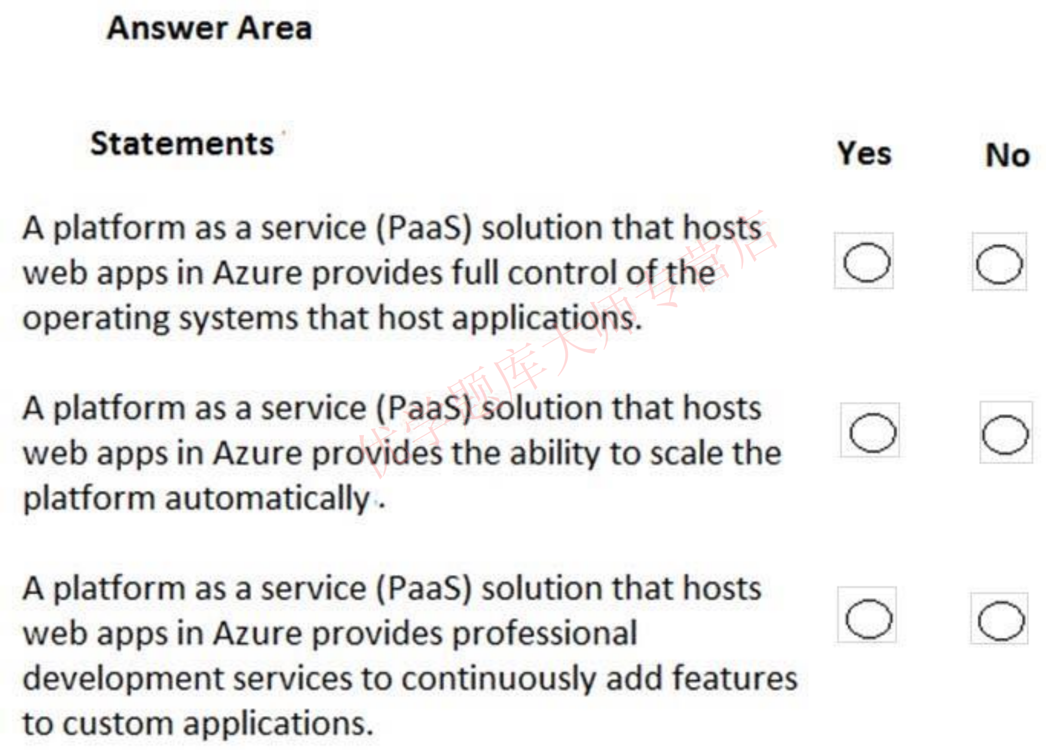
QUESTION 32
Your company plans to deploy an Artificial Intelligence (AI) solution in Azure. What should the company use to build, test, and deploy predictive analytics solutions?

A. Azure Logic Apps
B. Azure Machine Learning Studio
C. Azure Batch
D. Azure Cosmos DB

Answer: B

QUESTION 33
Hotspot Question

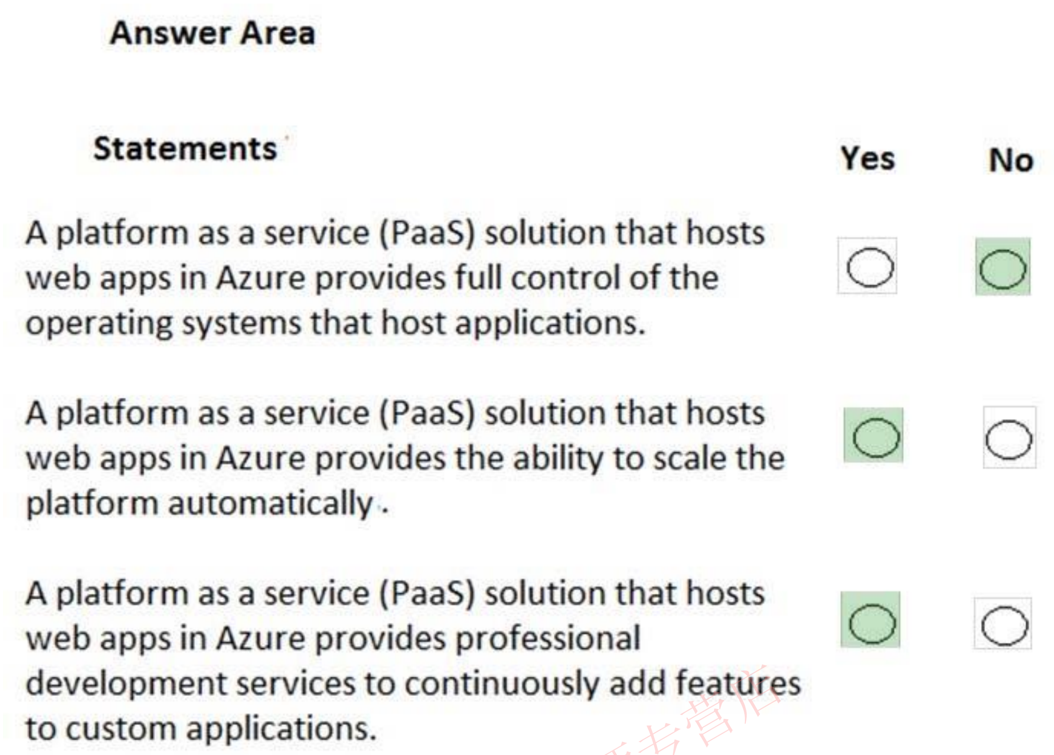
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.



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.	○	○

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.	●	○

Explanation:
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.

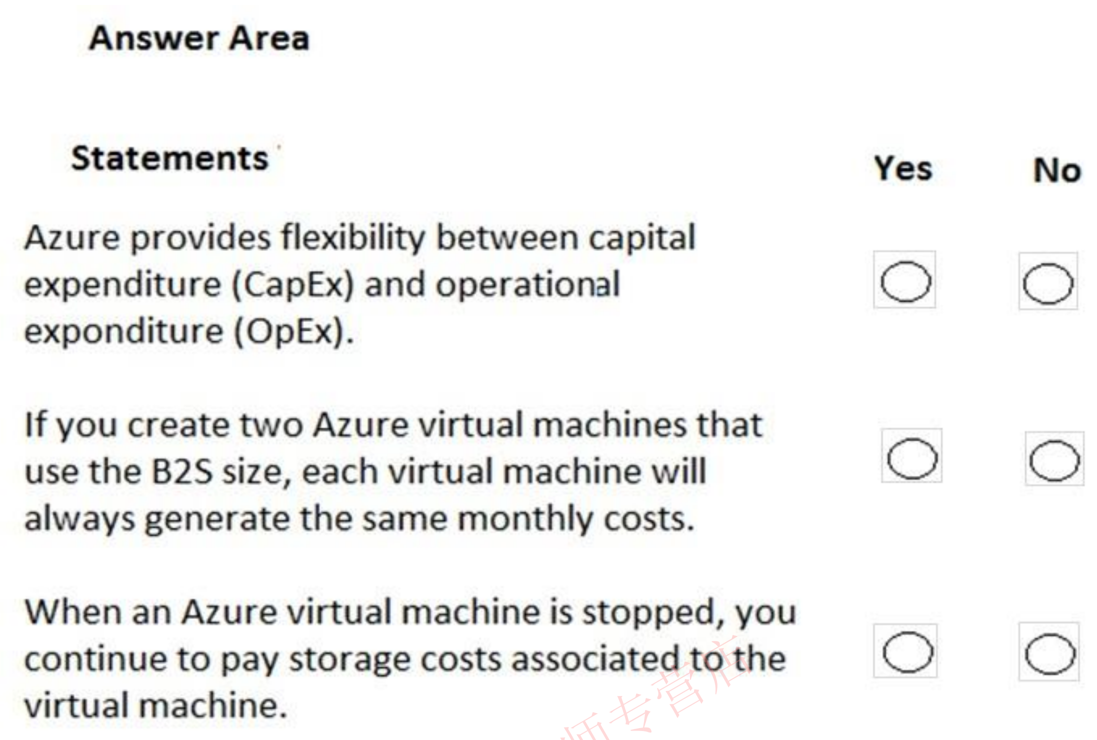
Box 2: Yes
A PaaS solution that hosts web apps in Azure does provide the ability to scale the platform automatically. This is known as autoscaling. Behind the scenes, the web apps are hosted on virtual machines running IIS. Autoscaling means adding more load balanced virtual machines to host the web 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 34
Hotspot Question

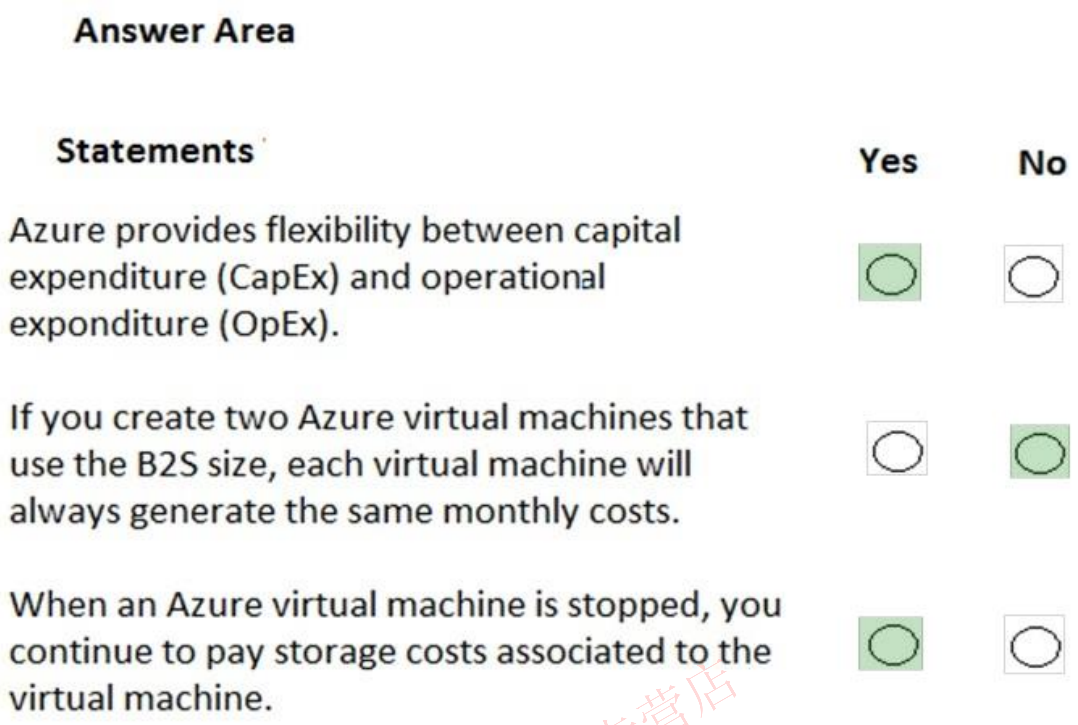
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.



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.	○	○

Answer:



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.	●	○

Explanation:
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.

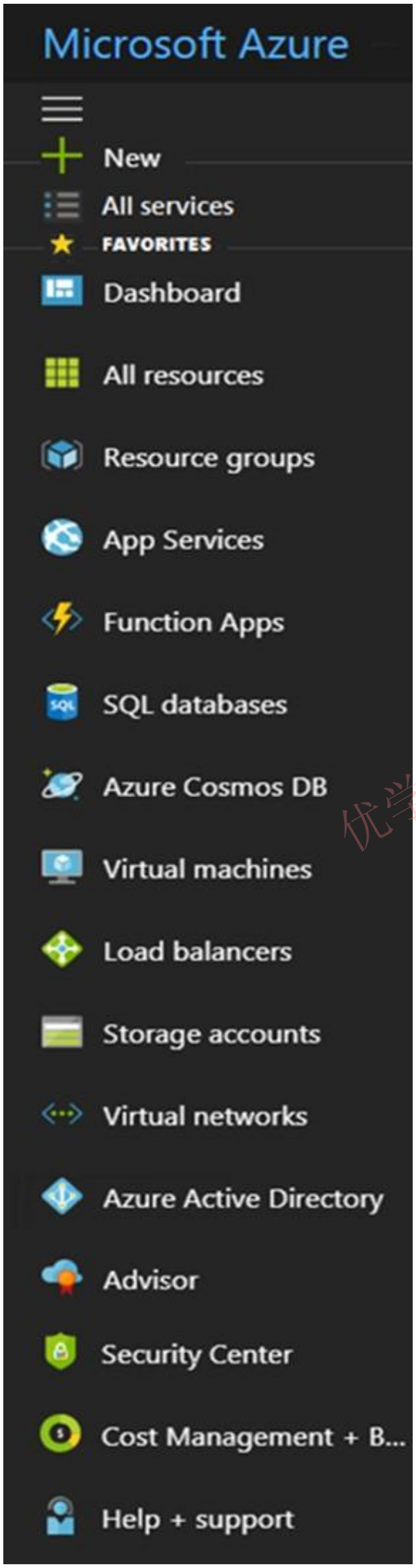
Box 2: No
Two virtual machines using the same size could have different disk configurations. Therefore, the monthly costs could be different.

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.

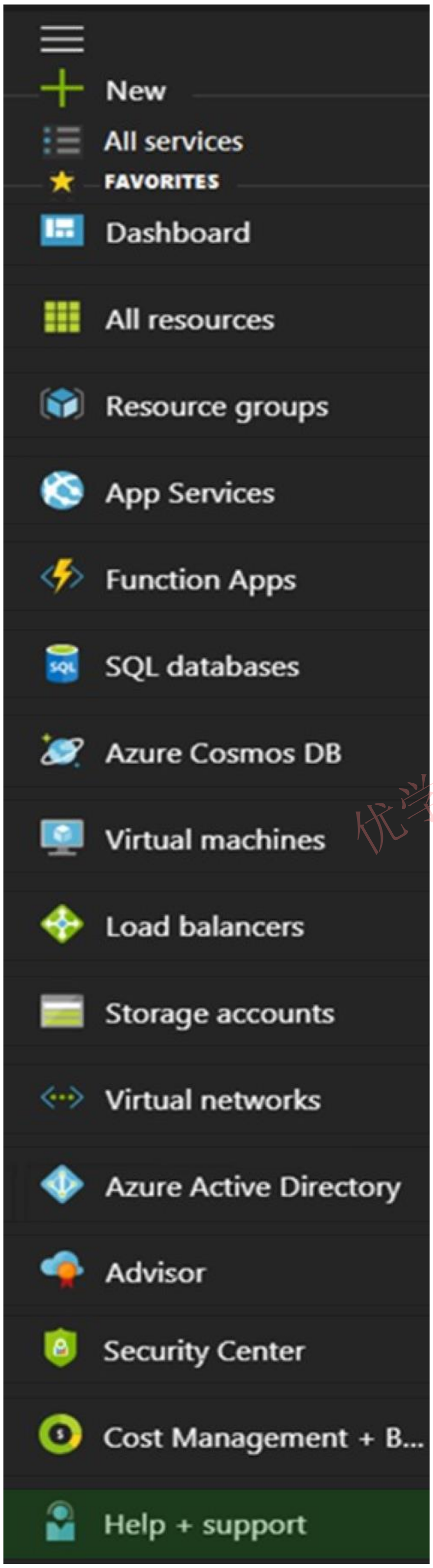
References:
https://meritsolutions.com/capex-vs-opex-cloud-computing-blog/

QUESTION 35
Hotspot Question

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.


Microsoft Azure
New
All services
FAVORITES
Dashboard
All resources
Resource groups
App Services
Function Apps
SQL databases
Azure Cosmos DB
Virtual machines
Load balancers
Storage accounts
Virtual networks
Azure Active Directory
Advisor
Security Center
Cost Management + B...
Help + support

Answer:

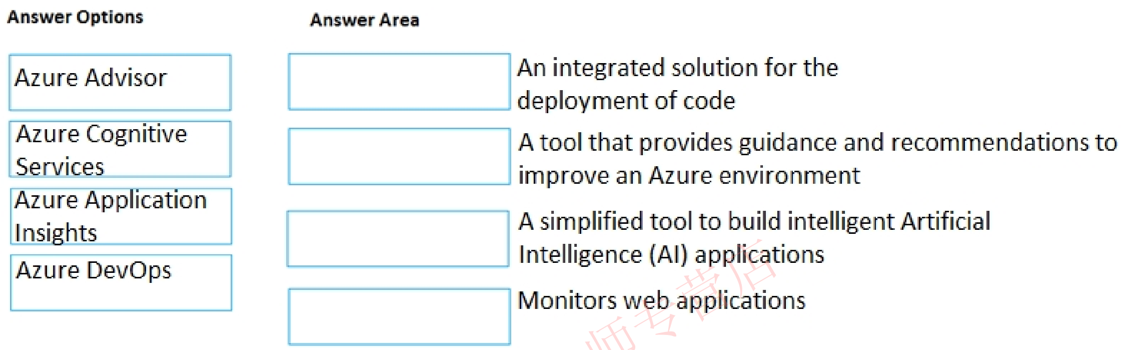

New
All services
FAVORITES
Dashboard
All resources
Resource groups
App Services
Function Apps
SQL databases
Azure Cosmos DB
Virtual machines
Load balancers
Storage accounts
Virtual networks
Azure Active Directory
Advisor
Security Center
Cost Management + B...
Help + support

Explanation:

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 36
Drag and Drop Question

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.



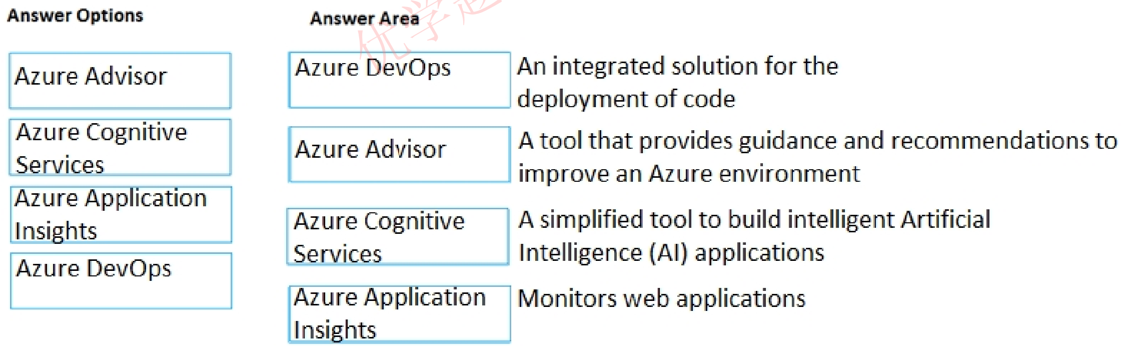
Answer Options

- Azure Advisor
- Azure Cognitive Services
- Azure Application Insights
- Azure DevOps

Answer Area

	An integrated solution for the deployment of code
	A tool that provides guidance and recommendations to improve an Azure environment
	A simplified tool to build intelligent Artificial Intelligence (AI) applications
	Monitors web applications

Answer:



Answer Options

- Azure Advisor
- Azure Cognitive Services
- Azure Application Insights
- Azure DevOps

Answer Area

Azure DevOps	An integrated solution for the deployment of code
Azure Advisor	A tool that provides guidance and recommendations to improve an Azure environment
Azure Cognitive Services	A simplified tool to build intelligent Artificial Intelligence (AI) applications
Azure Application Insights	Monitors web applications

Explanation:
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

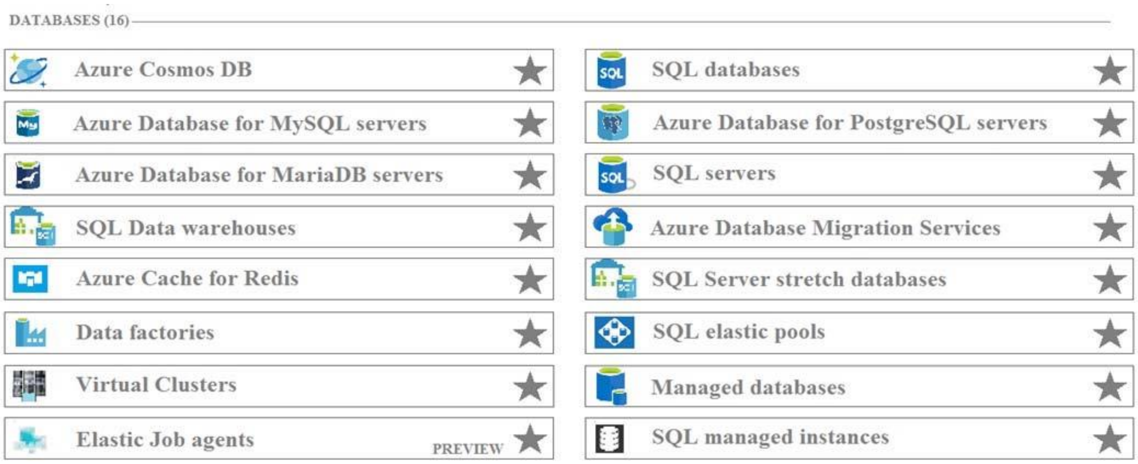
QUESTION 37

Hotspot Question

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.

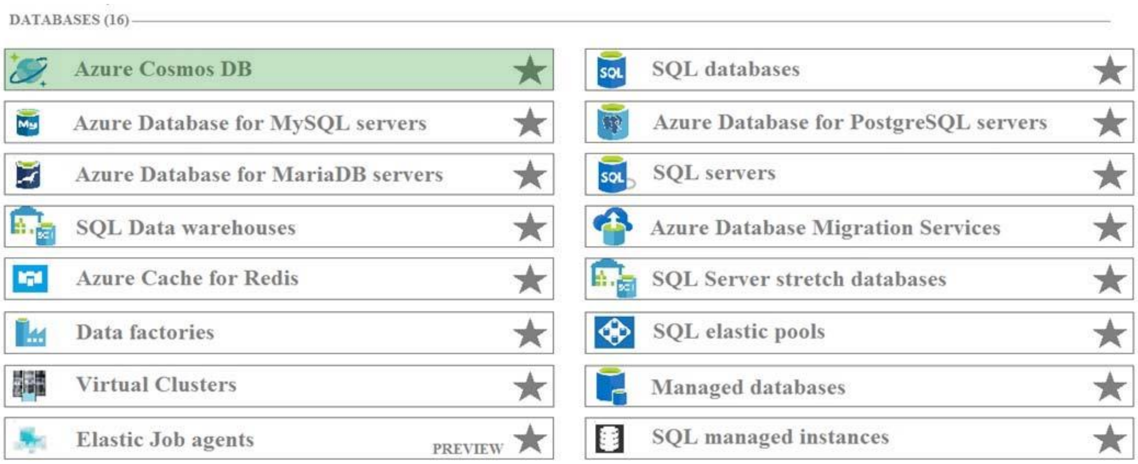


DATABASES (16)

Azure Cosmos DB ★
Azure Database for MySQL servers ★
Azure Database for MariaDB servers ★
SQL Data warehouses ★
Azure Cache for Redis ★
Data factories ★
Virtual Clusters ★
Elastic Job agents PREVIEW ★

SQL databases ★
Azure Database for PostgreSQL servers ★
SQL servers ★
Azure Database Migration Services ★
SQL Server stretch databases ★
SQL elastic pools ★
Managed databases ★
SQL managed instances ★

Answer:


DATABASES (16)
Azure Cosmos DB
SQL databases
Azure Database for MySQL servers
Azure Database for PostgreSQL servers
Azure Database for MariaDB servers
SQL servers
SQL Data warehouses
Azure Database Migration Services
Azure Cache for Redis
SQL Server stretch databases
Data factories
SQL elastic pools
Virtual Clusters
Managed databases
Elastic Job agents
PREVIEW
SQL managed instances

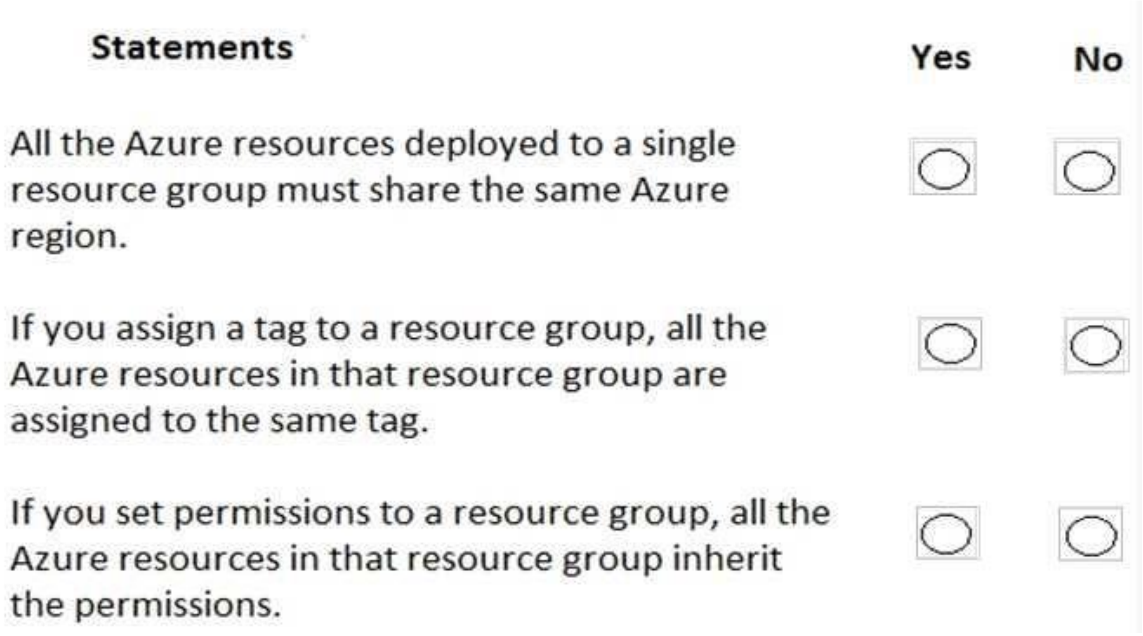
Explanation:
Azure Cosmos DB is Microsoft's globally distributed, multi-model database service. With a click of a button, Cosmos DB enables you to elastically and independently scale throughput and storage across any number of Azure regions worldwide.

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

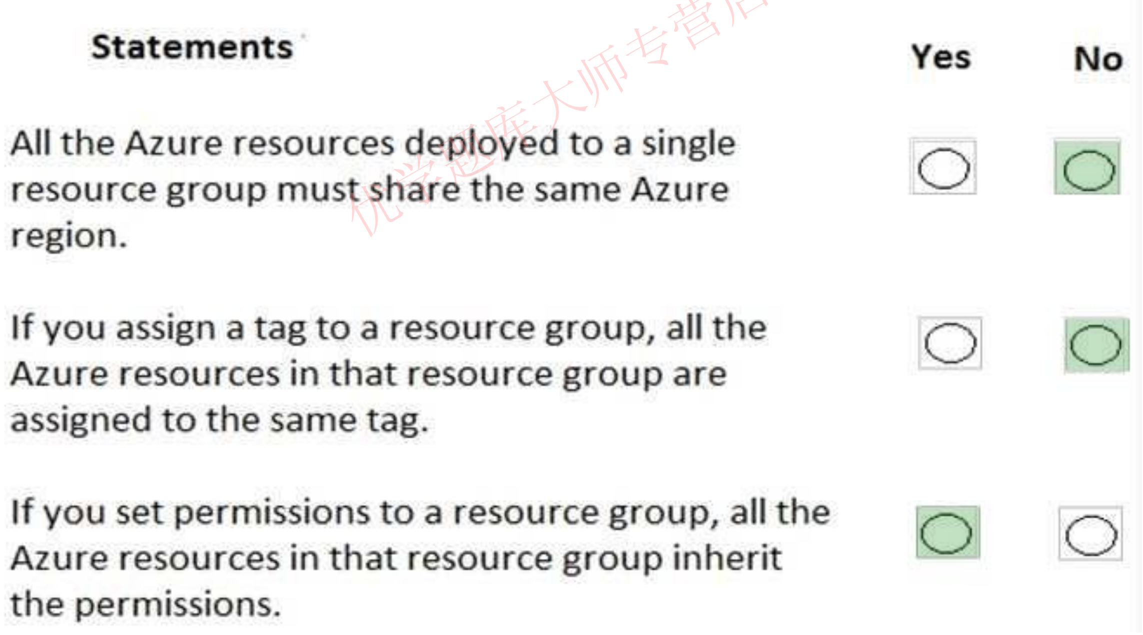
QUESTION 38
Hotspot Question

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



Statements	Yes	No
All the Azure resources deployed to a single resource group must share the same Azure region.	○	○
If you assign a tag to a resource group, all the Azure resources in that resource group are assigned to the same tag.	○	○
If you set permissions to a resource group, all the Azure resources in that resource group inherit the permissions.	○	○

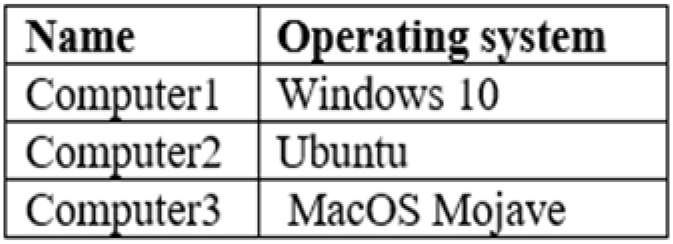
Answer:



Statements	Yes	No
All the Azure resources deployed to a single resource group must share the same Azure region.	○	●
If you assign a tag to a resource group, all the Azure resources in that resource group are assigned to the same tag.	○	●
If you set permissions to a resource group, all the Azure resources in that resource group inherit the permissions.	●	○

QUESTION 39
Hotspot Question

Several support engineers plan to manage Azure by using the computers shown in the following table:

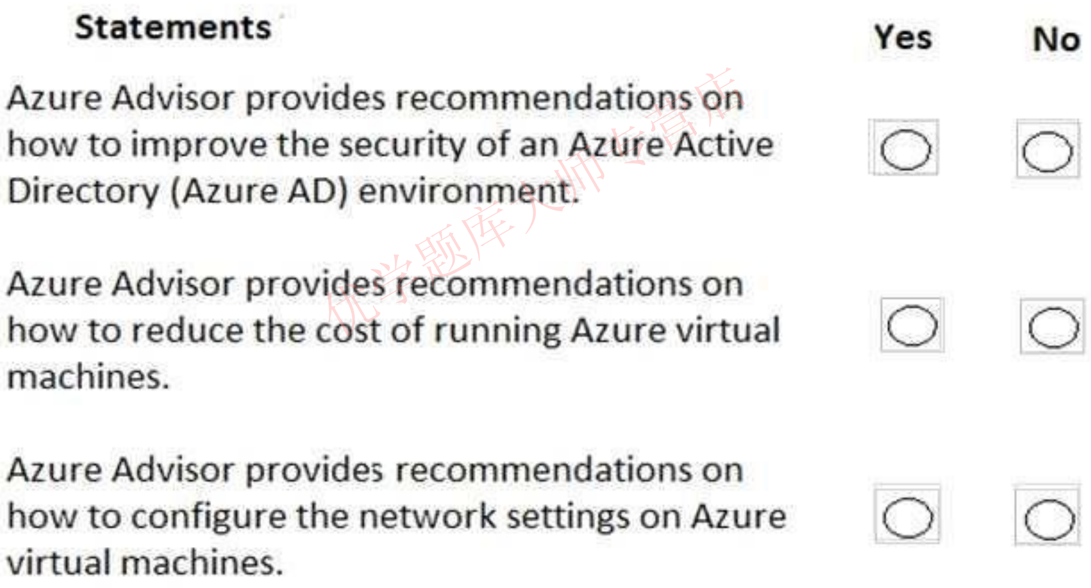


Name	Operating system
Computer1	Windows 10
Computer2	Ubuntu
Computer3	MacOS Mojave

You need to identify which Azure management tools can be used from each computer.

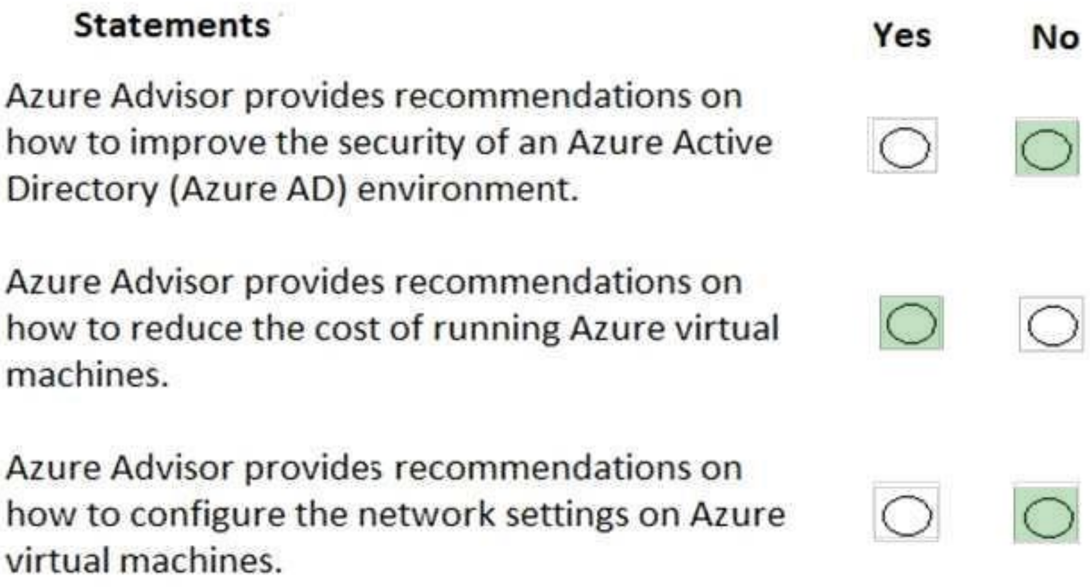
What should you identify for each computer? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.



Statements	Yes	No
Azure Advisor provides recommendations on how to improve the security of an Azure Active Directory (Azure AD) environment.	○	○
Azure Advisor provides recommendations on how to reduce the cost of running Azure virtual machines.	○	○
Azure Advisor provides recommendations on how to configure the network settings on Azure virtual machines.	○	○

Answer:

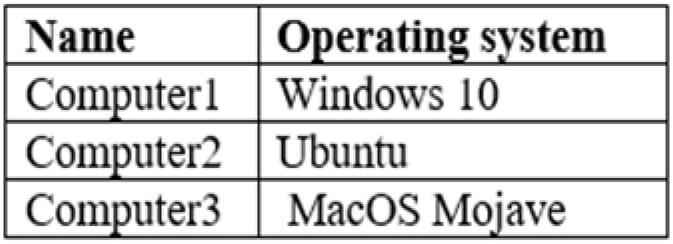


Statements	Yes	No
Azure Advisor provides recommendations on how to improve the security of an Azure Active Directory (Azure AD) environment.	○	●
Azure Advisor provides recommendations on how to reduce the cost of running Azure virtual machines.	●	○
Azure Advisor provides recommendations on how to configure the network settings on Azure virtual machines.	○	●

Explanation:
https://buildazure.com/2016/08/18/powershell-now-open-source-and-cross-platform-linux-macos-windows/

QUESTION 40
Hotspot Question

Several support engineers plan to manage Azure by using the computers shown in the following table:

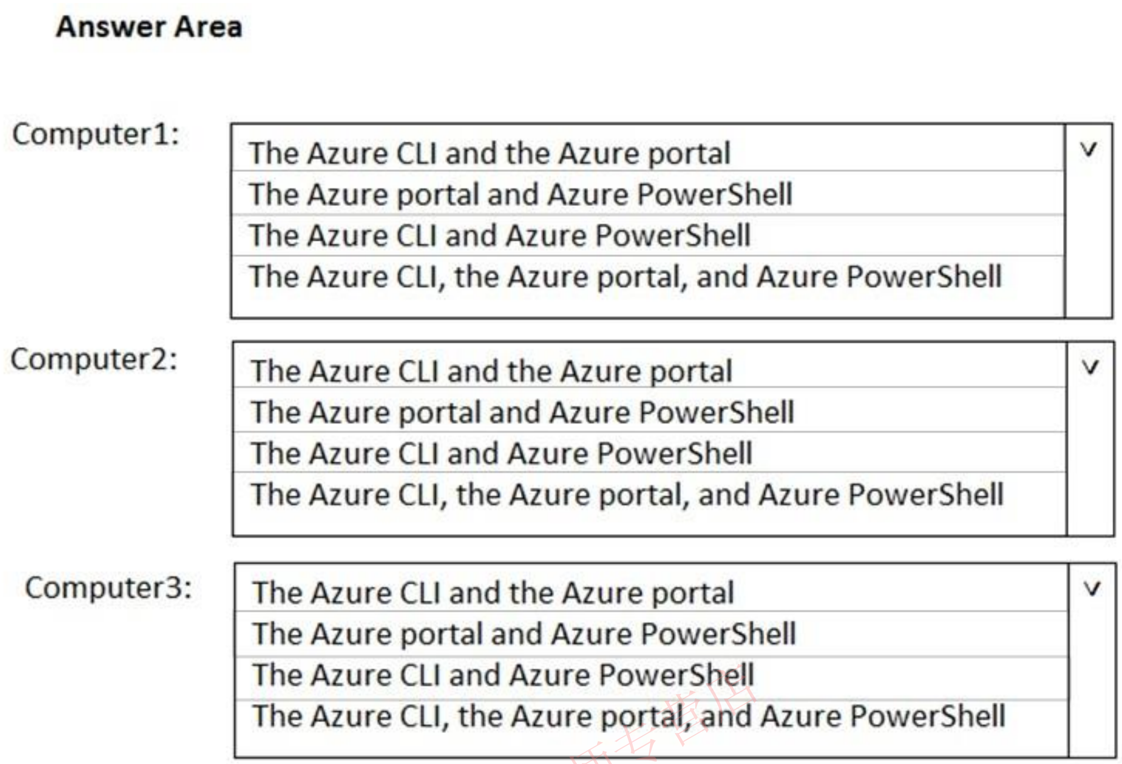


Name	Operating system
Computer1	Windows 10
Computer2	Ubuntu
Computer3	MacOS Mojave

You need to identify which Azure management tools can be used from each computer.

What should you identify for each computer? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.



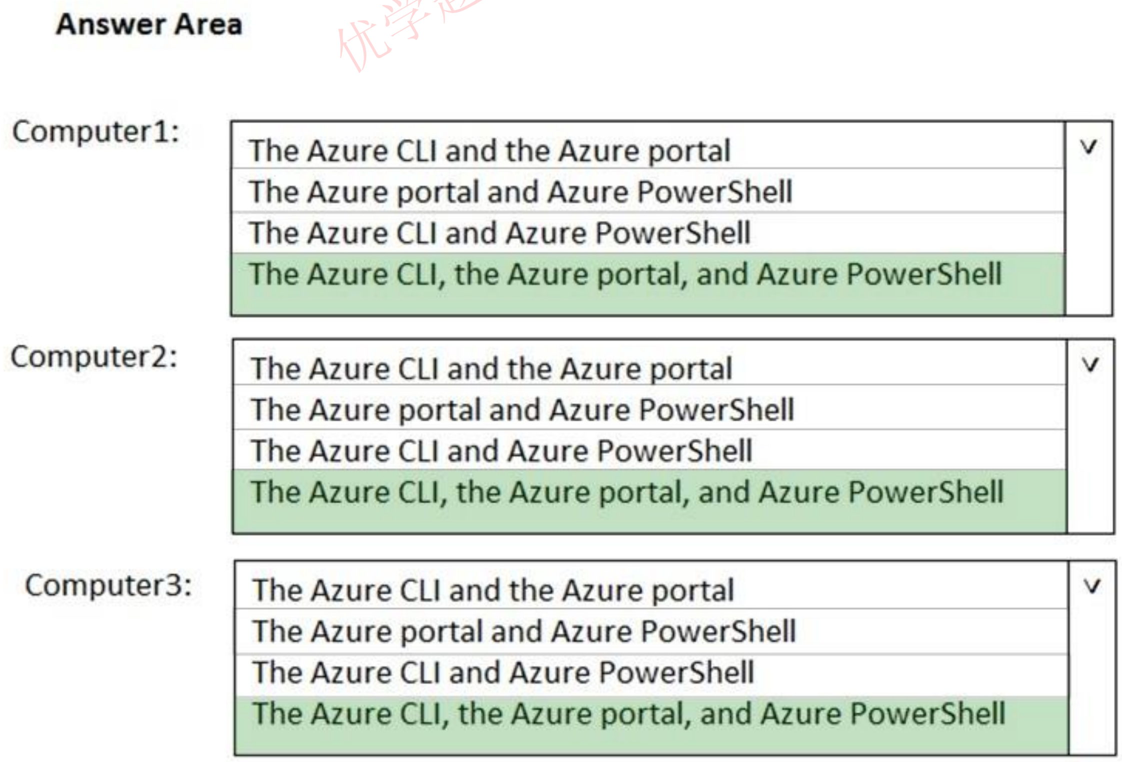
Answer Area

Computer1:
The Azure CLI and the Azure portal
The Azure portal and Azure PowerShell
The Azure CLI and Azure PowerShell
The Azure CLI, the Azure portal, and Azure PowerShell

Computer2:
The Azure CLI and the Azure portal
The Azure portal and Azure PowerShell
The Azure CLI and Azure PowerShell
The Azure CLI, the Azure portal, and Azure PowerShell

Computer3:
The Azure CLI and the Azure portal
The Azure portal and Azure PowerShell
The Azure CLI and Azure PowerShell
The Azure CLI, the Azure portal, and Azure PowerShell

Answer:



Answer Area

Computer1:
The Azure CLI and the Azure portal
The Azure portal and Azure PowerShell
The Azure CLI and Azure PowerShell
The Azure CLI, the Azure portal, and Azure PowerShell

Computer2:
The Azure CLI and the Azure portal
The Azure portal and Azure PowerShell
The Azure CLI and Azure PowerShell
The Azure CLI, the Azure portal, and Azure PowerShell

Computer3:
The Azure CLI and the Azure portal
The Azure portal and Azure PowerShell
The Azure CLI and Azure PowerShell
The Azure CLI, the Azure portal, and Azure PowerShell

Explanation:
Previously, the Azure CLI (or x-plat CLI) was the only option for managing Azure subscriptions and resources from the command-line on Linux and macOS. Now with the open source and

cross-platform release of PowerShell, you'll be able to manage all your Azure resources from Windows, Linux and macOS using your tool of choice, either the Azure CLI or Azure PowerShell cmdlets. The Azure portal runs in a web browser so can be used in either operating system.

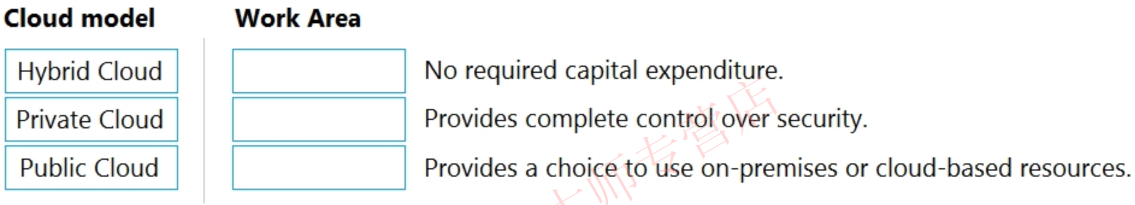
Reference:
https://buildazure.com/2016/08/18/powershell-now-open-source-and-cross-platform-linux-macos-windows/

QUESTION 41
Drag and Drop Question

Match the cloud model to the correct advantage.

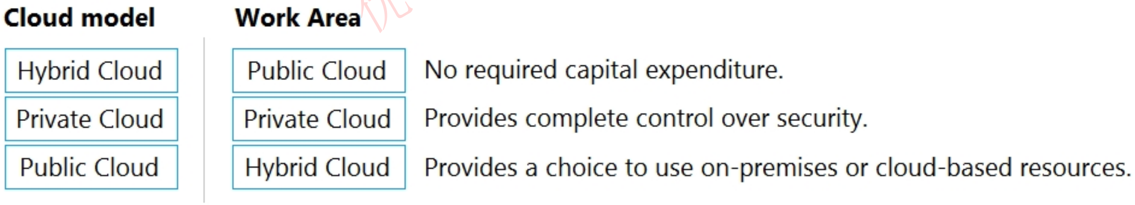
Instructions: To answer, drag the appropriate cloud model from the column on the left to its advantage on the right. Each cloud model may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point



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.

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.

Explanation:
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.

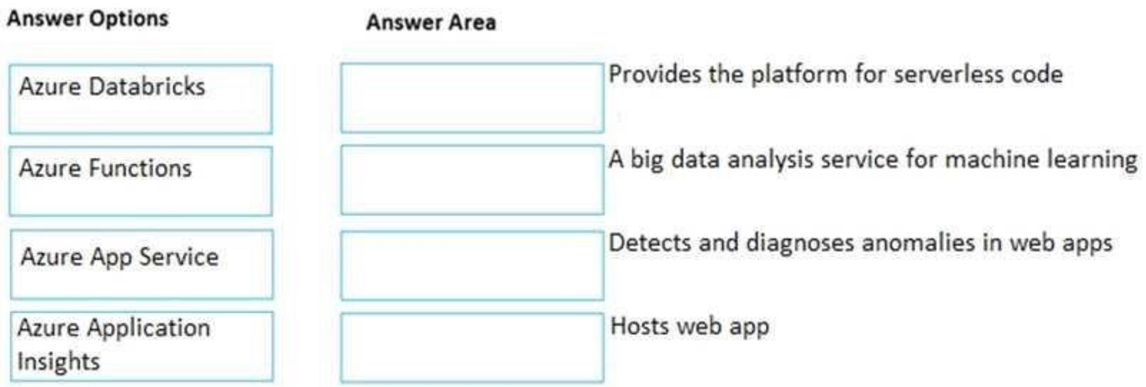
Box 2: Private Cloud
A private cloud exists on premises, so you have complete control over security.

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 42
Drag and Drop Question

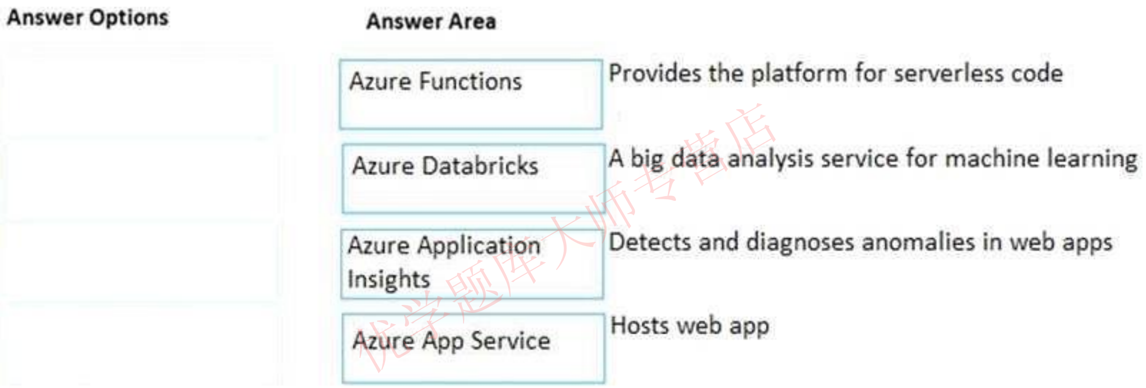
Match the Azure service to the correct definition.
Instructions: To answer, drag the appropriate Azure service from the column on the left to its description on the right. Each service may be used once, more than once, or not at all.

NOTE: Each correct selection is worth one point.



Answer Options	Answer Area	
Azure Databricks		Provides the platform for serverless code
Azure Functions		A big data analysis service for machine learning
Azure App Service		Detects and diagnoses anomalies in web apps
Azure Application Insights		Hosts web app

Answer:



Answer Options	Answer Area	
	Azure Functions	Provides the platform for serverless code
	Azure Databricks	A big data analysis service for machine learning
	Azure Application Insights	Detects and diagnoses anomalies in web apps
	Azure App Service	Hosts web app

Explanation:
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.

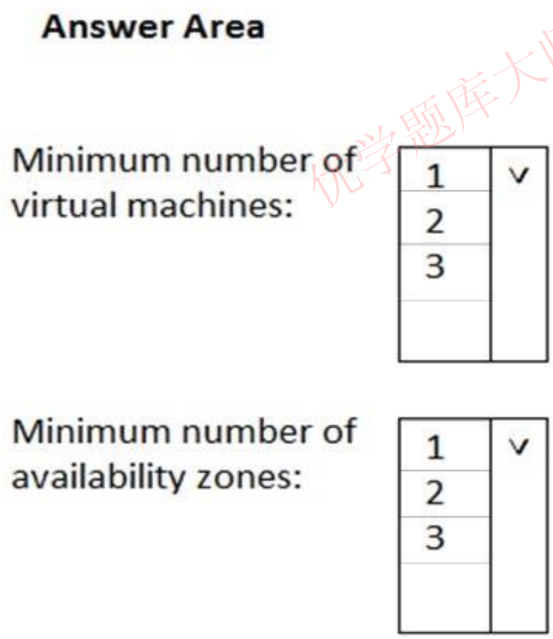
Box 4:
Azure App Service hosts web apps.
Azure App Service is an HTTP-based service for hosting web applications, REST APIs, and mobile back ends. You can develop in your favorite language, be it .NET, .NET Core, Java, Ruby,

Node.js, PHP, or Python. Applications run and scale with ease on both Windows and Linux-based environments.

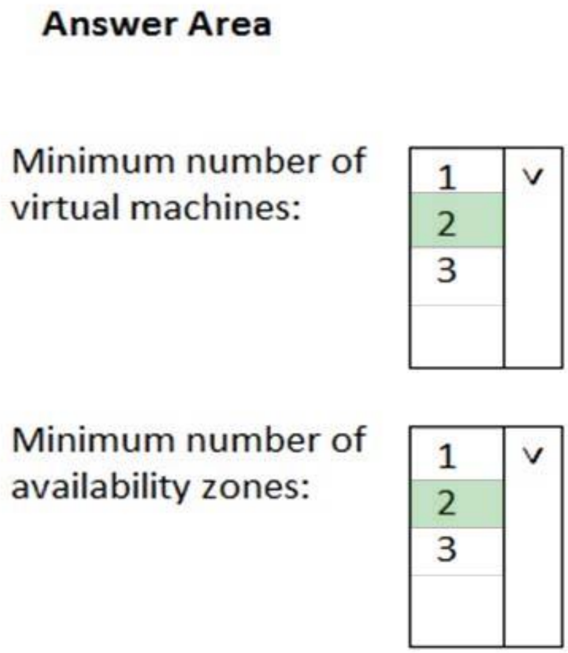
References:
https://docs.microsoft.com/en-us/azure/azure-functions/
https://docs.microsoft.com/en-us/azure/azure-databricks/what-is-azure-databricks#apache-spark-based-analytics-platform
https://docs.microsoft.com/en-us/azure/azure-monitor/app/app-insights-overview
https://docs.microsoft.com/en-us/azure/app-service/overview

QUESTION 43
Hotspot Question

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.


Answer Area
Minimum number of virtual machines:
1
2
3
Minimum number of availability zones:
1
2
3

Answer:



Answer Area

Minimum number of virtual machines:

Minimum number of availability zones:

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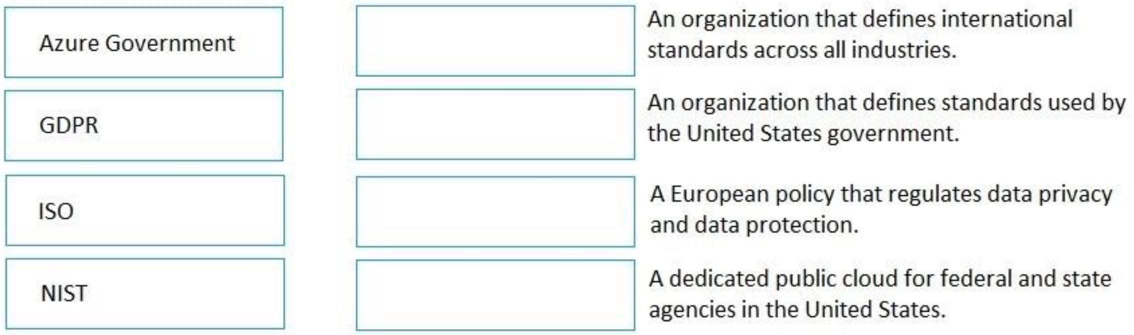
Explanation:
You need a minimum of two virtual machines with each one located in a different availability zone.

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

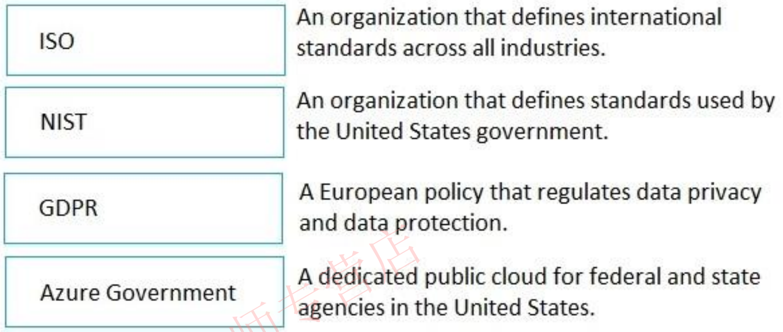
QUESTION 44
Drag and Drop Question

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



Azure Government		An organization that defines international standards across all industries.
GDPR		An organization that defines standards used by the United States government.
ISO		A European policy that regulates data privacy and data protection.
NIST		A dedicated public cloud for federal and state agencies in the United States.

Answer:



ISO	An organization that defines international standards across all industries.
NIST	An organization that defines standards used by the United States government.
GDPR	A European policy that regulates data privacy and data protection.
Azure Government	A dedicated public cloud for federal and state agencies in the United States.

Explanation:

Box 1: ISO

ISO is the International Organization for Standardization. Companies can be certified to ISO standards, for example ISO 9001 or 27001 are commonly used in IT companies.

Box 2: NIST

The National Institute of Standards and Technology (NIST) is a physical sciences laboratory, and a non- regulatory agency of the United States Department of Commerce.

Box 3: GDPR

GDPR is the General Data Protection Regulations. This standard was adopted across Europe in May 2018 and replaces the now deprecated Data Protection Directive. The General Data Protection Regulation (EU) (GDPR) is a regulation in EU law on data protection and privacy in the European Union (EU) and the European Economic Area (EEA). It also addresses the transfer of personal data outside the EU and EEA areas. The GDPR aims primarily to give control to individuals over their personal data and to simplify the regulatory environment for international business by unifying the regulation within the EU.

Box 4: Azure Government

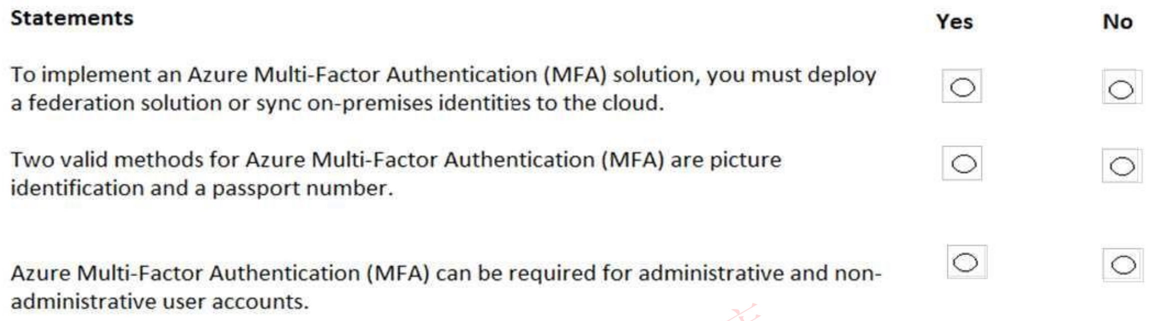
US government agencies or their partners interested in cloud services that meet government security and compliance requirements, can be confident that Microsoft Azure Government provides world-class security, protection, and compliance services. Azure Government delivers a dedicated cloud enabling government agencies and their partners to transform mission-critical workloads to the cloud. Azure Government services handle data that is subject to certain government regulations and requirements, such as FedRAMP, NIST 800.171 (DIB), ITAR, IRS 1075, DoD L4, and CJIS. In order to provide you with the highest level of security and compliance, Azure Government uses physically isolated datacenters and networks (located in U.S. only).

References:

https://en.wikipedia.org/wiki/National_Institute_of_Standards_and_Technology
https://en.wikipedia.org/wiki/General_Data_Protection_Regulation
https://docs.microsoft.com/en-us/azure/azure-government/documentation-government-welcome

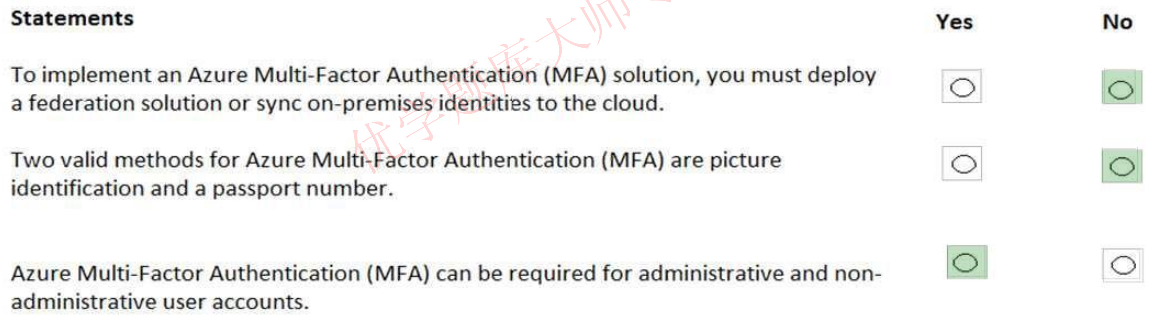
QUESTION 45
Hotspot Question

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



Statements	Yes	No
To implement an Azure Multi-Factor Authentication (MFA) solution, you must deploy a federation solution or sync on-premises identities to the cloud.	○	○
Two valid methods for Azure Multi-Factor Authentication (MFA) are picture identification and a passport number.	○	○
Azure Multi-Factor Authentication (MFA) can be required for administrative and non-administrative user accounts.	○	○

Answer:



Statements	Yes	No
To implement an Azure Multi-Factor Authentication (MFA) solution, you must deploy a federation solution or sync on-premises identities to the cloud.	○	[✓ ○]
Two valid methods for Azure Multi-Factor Authentication (MFA) are picture identification and a passport number.	○	[✓ ○]
Azure Multi-Factor Authentication (MFA) can be required for administrative and non-administrative user accounts.	[✓ ○]	○

Explanation:
Box 1: No
It is not true that you must deploy a federation solution or sync on-premises identities to the cloud. You can have a cloud-only environment and use MFA.

Box 2: No
Picture identification and passport numbers are not valid MFA authentication methods. Valid methods include: Password, Microsoft Authenticator App, SMS and Voice call.

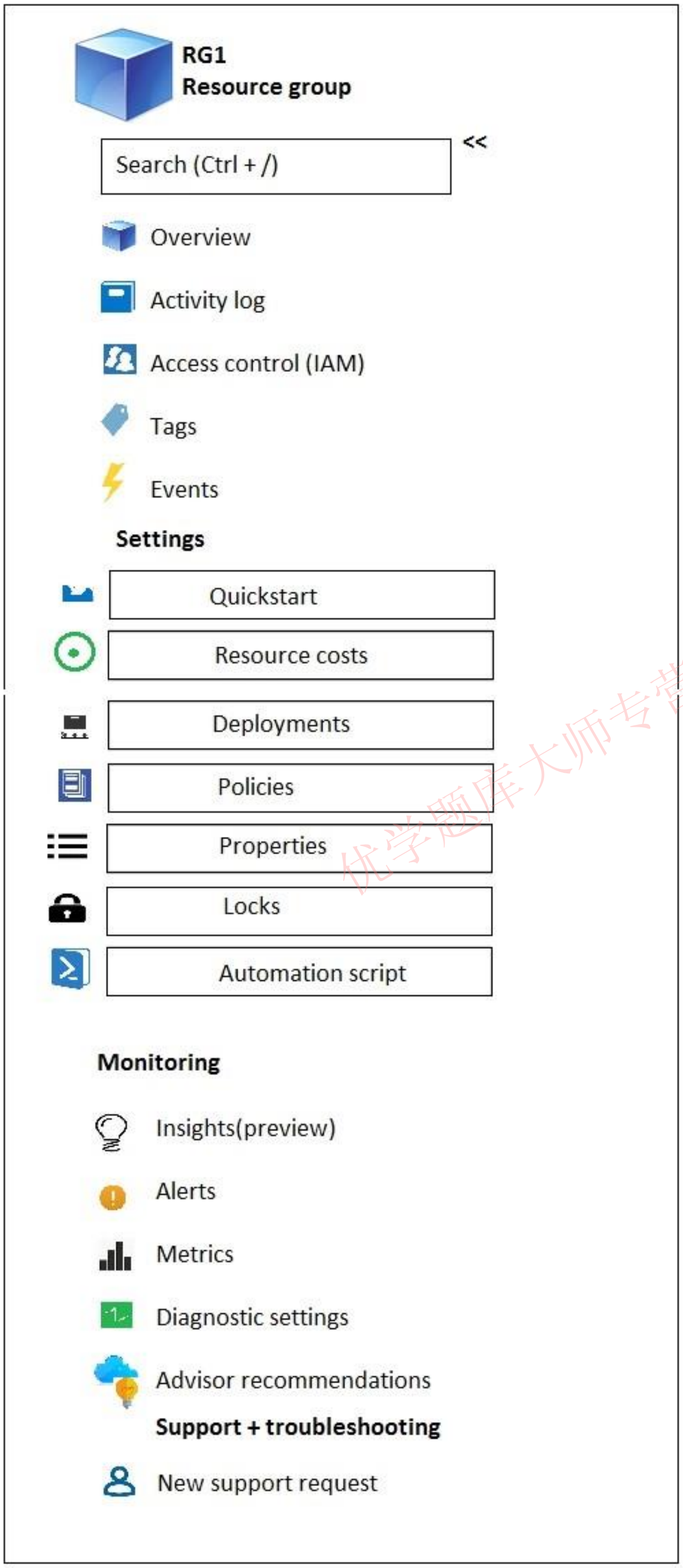
Box 3:
You can configure MFA to be required for administrator accounts only or you can configure MFA for any user account.

Reference:
https://docs.microsoft.com/en-us/azure/active-directory/authentication/howto-mfa-getstarted
https://docs.microsoft.com/en-us/azure/active-directory/authentication/concept-authentication-methods

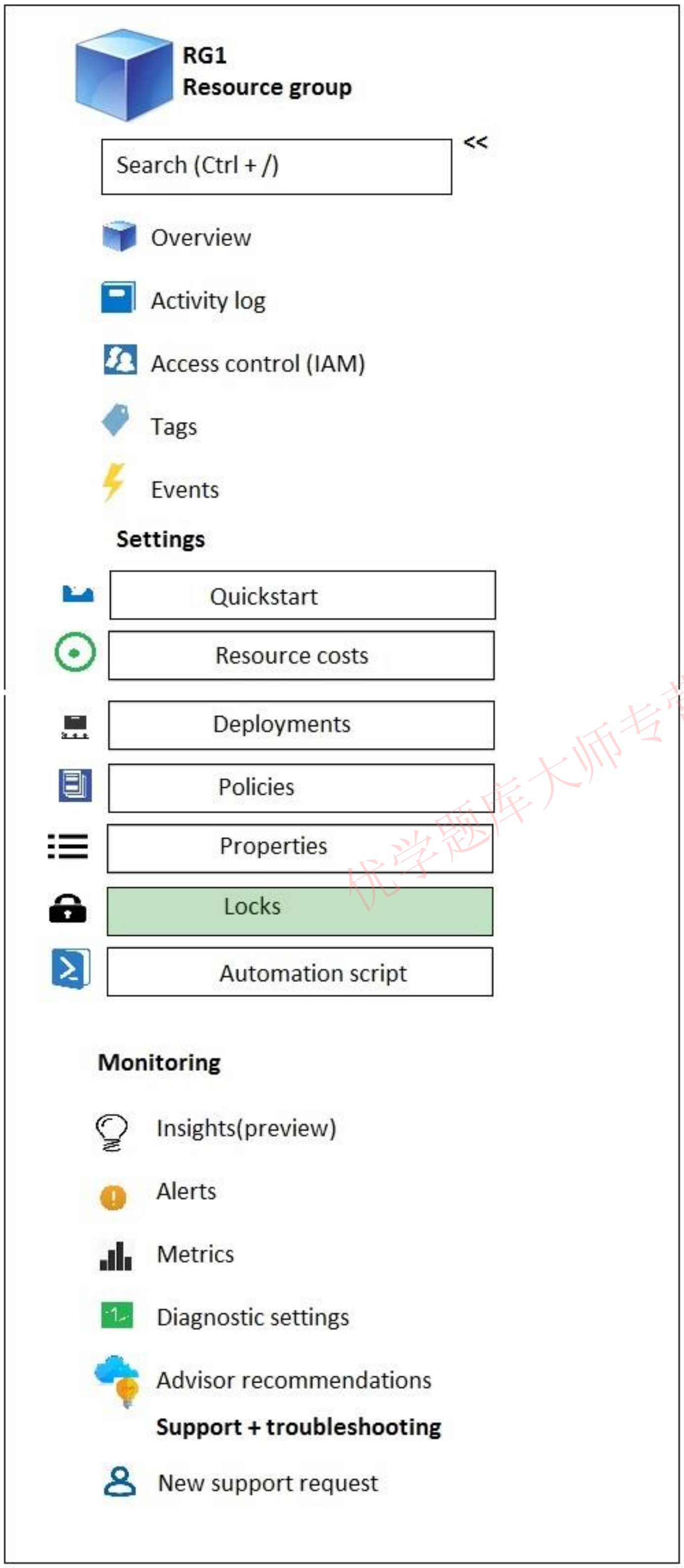
QUESTION 46

Hotspot Question

You create a resource group named RG1 in Azure Resource Manager. You need to prevent the deletion of the resources in RG1.
Which setting should you use? To answer, select the appropriate setting in the answer area.


RG1
Resource group
Search (Ctrl + /)
<<
Overview
Activity log
Access control (IAM)
Tags
Events
Settings
Quickstart
Resource costs
Deployments
Policies
Properties
Locks
Automation script
Monitoring
Insights(preview)
Alerts
Metrics
Diagnostic settings
Advisor recommendations
Support + troubleshooting
New support request

Answer:



RG1
Resource group

Search (Ctrl + /)
<<
Overview
Activity log
Access control (IAM)
Tags
Events
Settings
Quickstart
Resource costs
Deployments
Policies
Properties
Locks
Automation script
Monitoring
Insights(preview)
Alerts
Metrics
Diagnostic settings
Advisor recommendations
Support + troubleshooting
New support request

Explanation:
You can configure a lock on a resource group to prevent the accidental deletion.

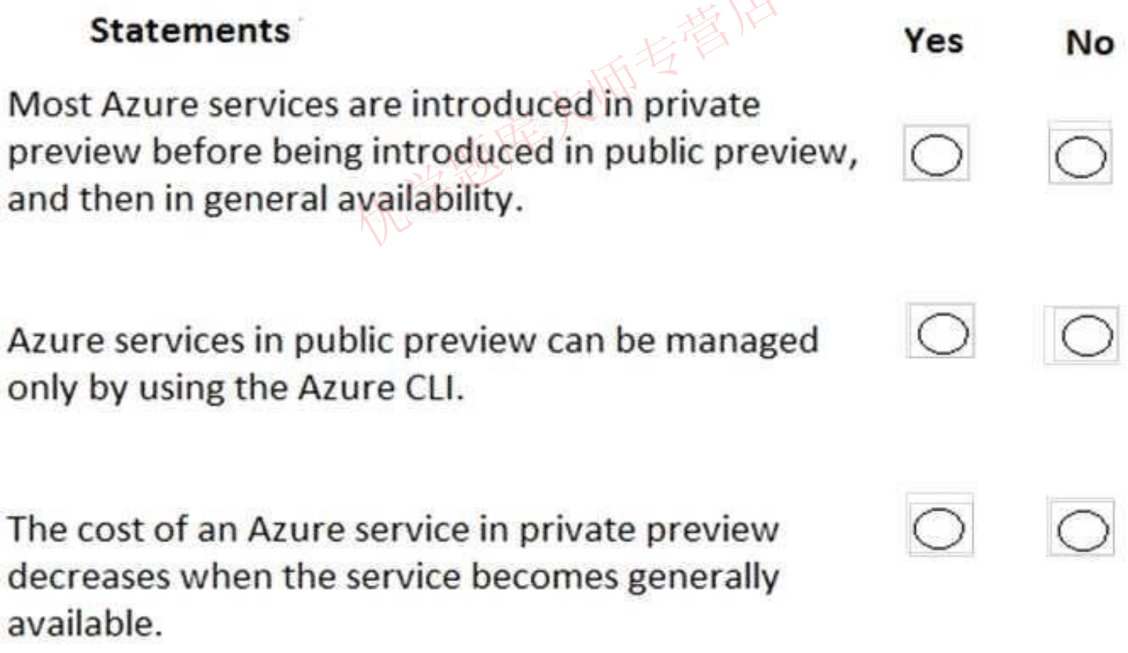
As an administrator, you may need to lock a subscription, resource group, or resource to prevent other users in your organization from accidentally deleting or modifying critical resources. You can set the lock level to CanNotDelete or ReadOnly. In the portal, the locks are called Delete and Read-only respectively.

CanNotDelete means authorized users can still read and modify a resource, but they can't delete the resource.
ReadOnly means authorized users can read a resource, but they can't delete or update the resource.
Applying this lock is similar to restricting all authorized users to the permissions granted by the Reader role.

Reference:
https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-group-lock-resources

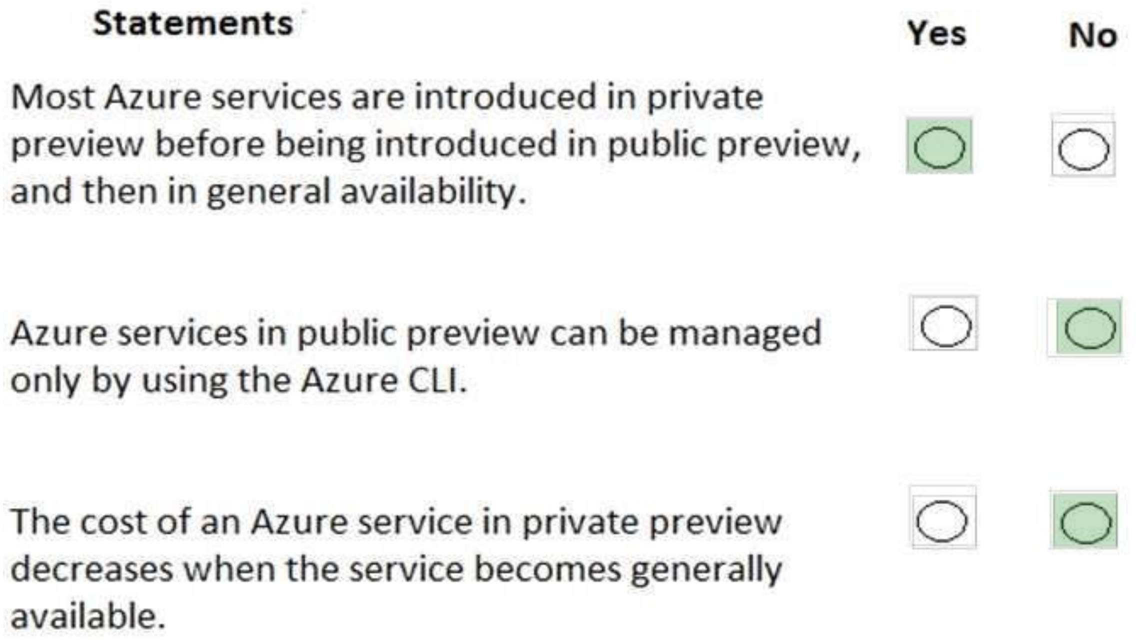
QUESTION 47
Hotspot Question

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



Statements	Yes	No
Most Azure services are introduced in private preview before being introduced in public preview, and then in general availability.	○	○
Azure services in public preview can be managed only by using the Azure CLI.	○	○
The cost of an Azure service in private preview decreases when the service becomes generally available.	○	○

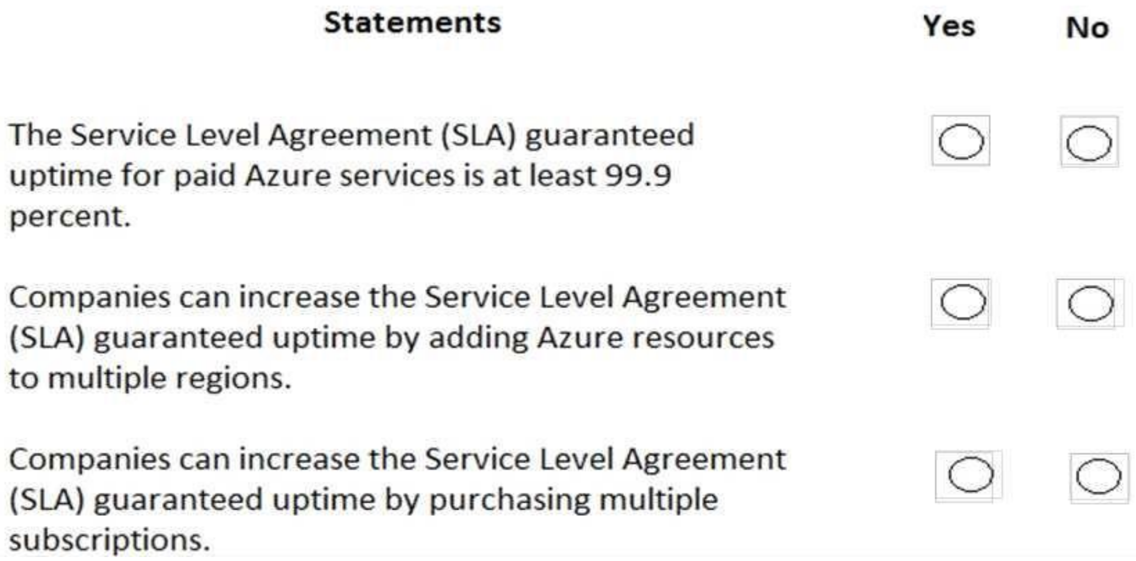
Answer:



Statements	Yes	No
Most Azure services are introduced in private preview before being introduced in public preview, and then in general availability.	●	○
Azure services in public preview can be managed only by using the Azure CLI.	○	●
The cost of an Azure service in private preview decreases when the service becomes generally available.	○	●

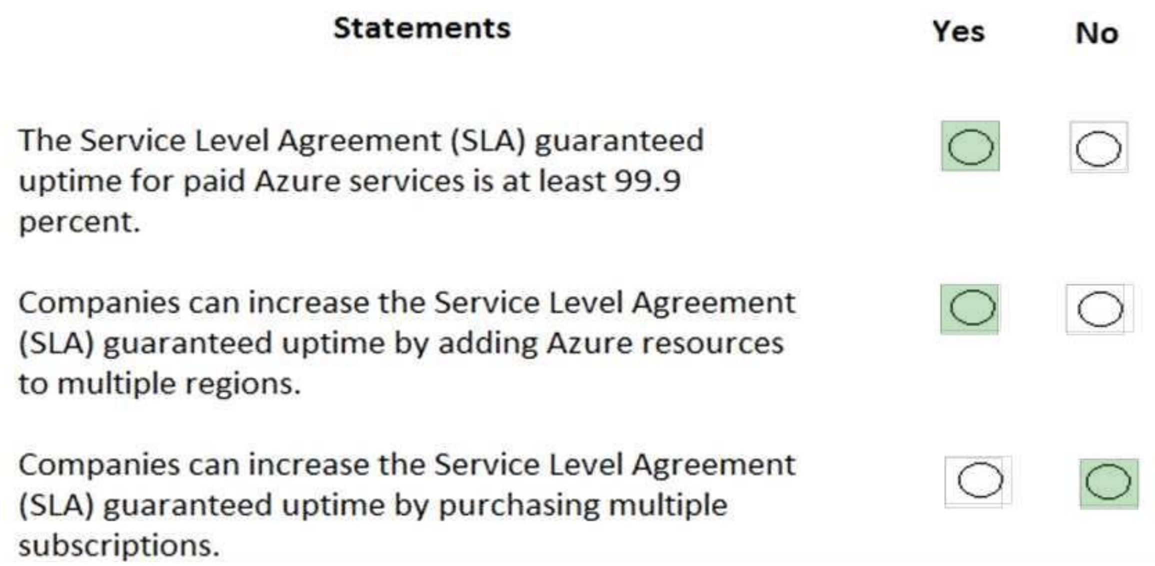
QUESTION 48
Hotspot Question

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



Statements	Yes	No
The Service Level Agreement (SLA) guaranteed uptime for paid Azure services is at least 99.9 percent.	○	○
Companies can increase the Service Level Agreement (SLA) guaranteed uptime by adding Azure resources to multiple regions.	○	○
Companies can increase the Service Level Agreement (SLA) guaranteed uptime by purchasing multiple subscriptions.	○	○

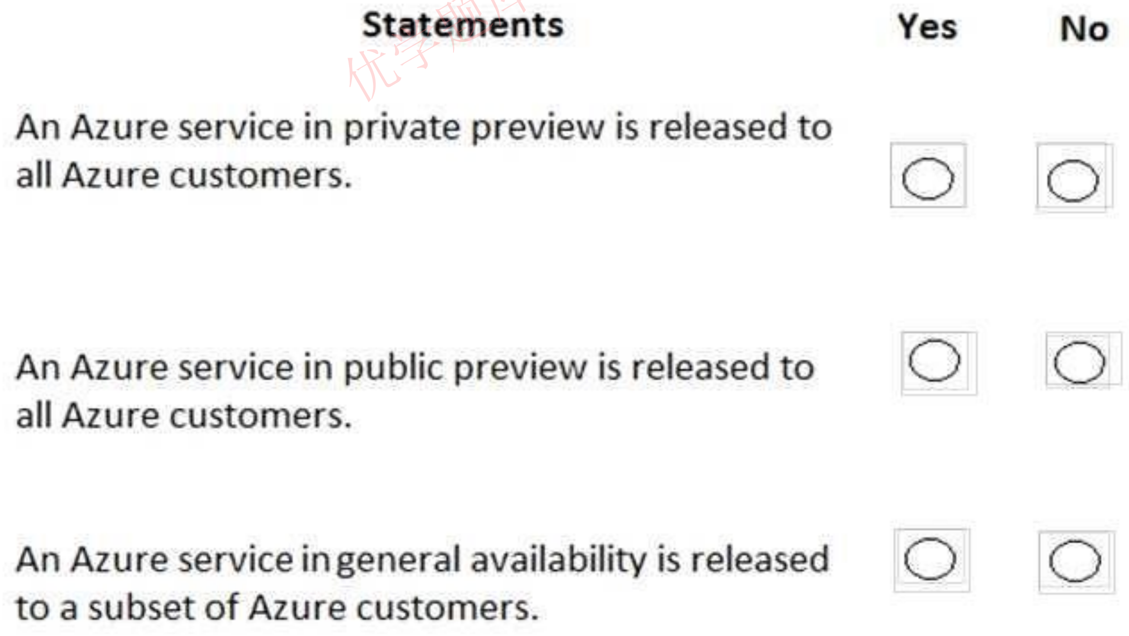
Answer:



Statements	Yes	No
The Service Level Agreement (SLA) guaranteed uptime for paid Azure services is at least 99.9 percent.	●	○
Companies can increase the Service Level Agreement (SLA) guaranteed uptime by adding Azure resources to multiple regions.	●	○
Companies can increase the Service Level Agreement (SLA) guaranteed uptime by purchasing multiple subscriptions.	○	●

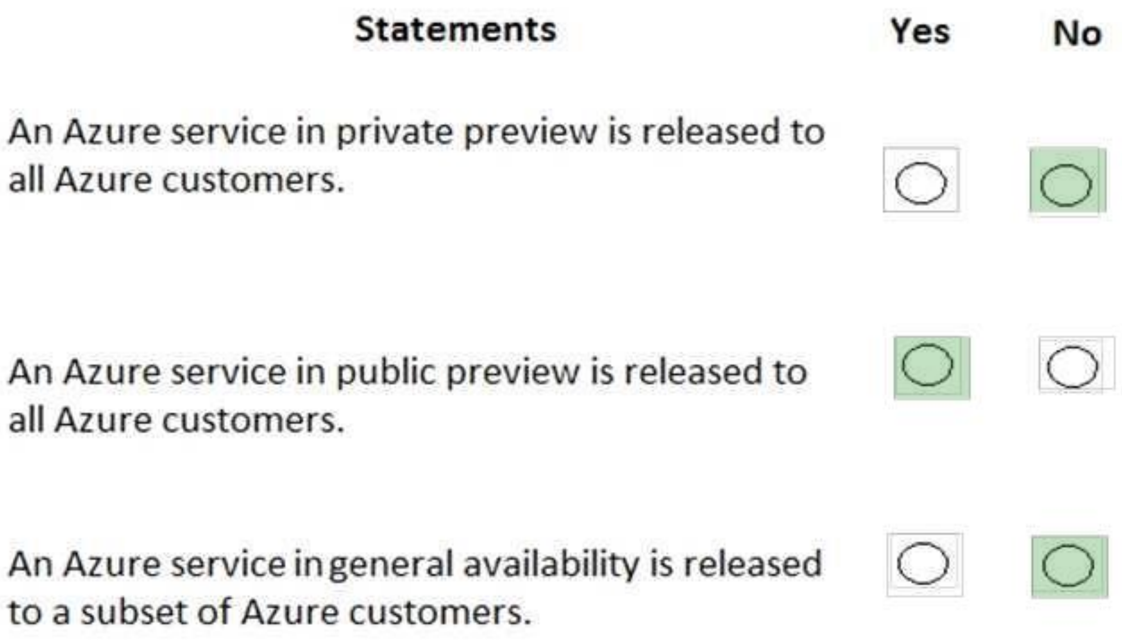
QUESTION 49
Hotspot Question

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



Statements	Yes	No
An Azure service in private preview is released to all Azure customers.	○	○
An Azure service in public preview is released to all Azure customers.	○	○
An Azure service in general availability is released to a subset of Azure customers.	○	○

Answer:

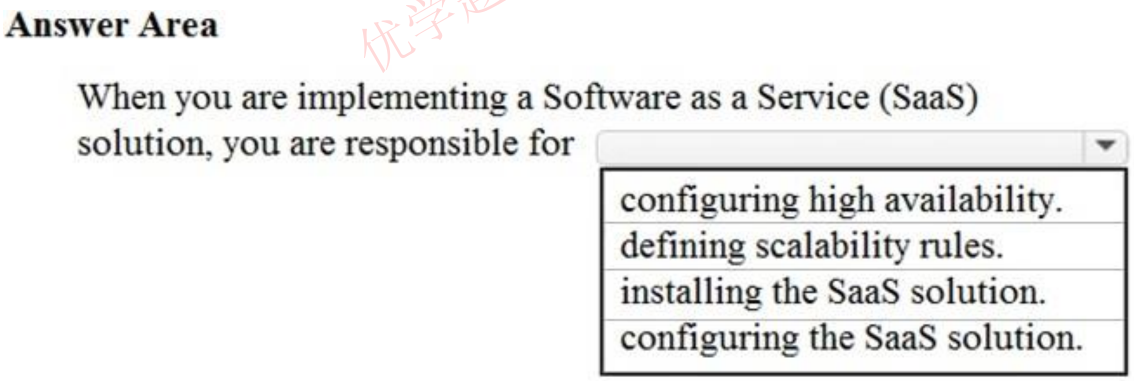


Statements	Yes	No
An Azure service in private preview is released to all Azure customers.	○	●
An Azure service in public preview is released to all Azure customers.	●	○
An Azure service in general availability is released to a subset of Azure customers.	○	●

QUESTION 50

Hotspot Question

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

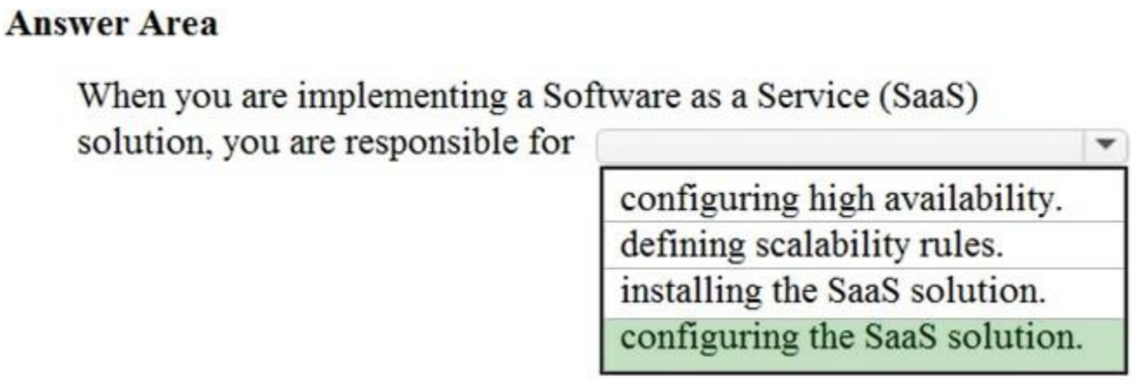


Answer Area

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

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

Answer:



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.

Explanation:
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 51
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 supports the planned migration.

Solution: You create an Azure App Service and Azure SQL databases.

Does this meet the goal?

A. Yes
B. No

Answer: A
Explanation:
Azure App Service and Azure SQL databases are examples of Azure PaaS solutions. Therefore, this solution does meet the goal.

QUESTION 52
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 supports the planned migration.

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

Answer: B
Explanation:
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.

QUESTION 53
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 supports the planned migration.

Solution: You create an Azure App Service and Azure Storage accounts.

Does this meet the goal?

A. Yes
B. No

Answer: B
Explanation:
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.

QUESTION 54
Your company hosts an accounting 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

Answer: C
Explanation:
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/

QUESTION 55
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)
C. infrastructure as a service (IaaS)
D. database as a service (DaaS)

Answer: B
Explanation:
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

QUESTION 56
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

Answer: D
Explanation:
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).
References:
https://docs.microsoft.com/en-gb/learn/modules/principles-cloud-computing/4-cloud-deployment-models

QUESTION 57
You plan to migrate several servers from an on-premises network to Azure.

You need to identify the primary benefit of using a public cloud service for the servers.

What should you identify?

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

Answer: D
Explanation:
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.

QUESTION 58
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

Answer: B
Explanation:
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 59
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
B. No

Answer: A
Explanation:
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

QUESTION 60
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
B. No

Answer: A
Explanation:
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

QUESTION 61
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
B. elastic
C. capital
D. scalable

Answer: A
Explanation:
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

QUESTION 62
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 reduced 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

Answer: AC
Explanation:
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 63
Your company plans to deploy an Artificial Intelligence (AI) solution in Azure.

What should the company use to build, test, and deploy predictive analytics solutions?

A. Azure Logic Apps
B. Azure Machine Learning Studio
C. Azure Batch
D. Azure Cosmos DB

Answer: B

QUESTION 64
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 an Android laptop.

Solution: You use PowerShell in Azure Cloud Shell.

Does this meet the goal?

A. Yes
B. No

Answer: A
Explanation:
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

QUESTION 65

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 an Android laptop.

Solution: You use the PowerApps portal.

Does this meet the goal?

A. Yes
B. No

Answer: B
Explanation:
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/

QUESTION 66
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 an Android laptop.

Solution: You use the Azure portal.

Does this meet the goal?

A. Yes
B. No

Answer: A
Explanation:
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

QUESTION 67
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 connect by using a high-latency network

Answer: A
Explanation:
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/

QUESTION 68
This question requires that you evaluate the underlined text to determine if it is correct.

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.

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

Answer: A

QUESTION 69
This question requires that you evaluate the underlined text to determine if it is correct.

When you need to delegate permissions to several Azure virtual machines simultaneously, you must deploy the Azure virtual machines to the same Azure region.

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. by using the same Azure Resource Manager template
C. to the same resource group
D. to the same availability zone

Answer: C

QUESTION 70
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

Answer: C
Explanation:
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

QUESTION 71
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
B. automatic scaling
C. data compression
D. versioning

Answer: A
Explanation:
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

QUESTION 72
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

Answer: AC
Explanation:
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

QUESTION 73
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

Answer: AC
Explanation:
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/

QUESTION 74
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

Answer: D
Explanation:

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

QUESTION 75
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
C. Azure virtual machines
D. Azure Advisor

Answer: C
Explanation:
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

QUESTION 76
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
B. a load balancer
C. an application gateway
D. a virtual network
E. a gateway subnet

Answer: AE
Explanation:
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

QUESTION 77
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 an Android laptop.

Solution: You use Bash in Azure Cloud Shell.

Does this meet the goal?

A. Yes
B. No

Answer: A
Explanation:
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

QUESTION 78
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

Answer: B
Explanation:
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

QUESTION 79
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

Answer: A
Explanation:
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 80
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

Answer: C
Explanation:
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

QUESTION 81
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

Answer: C
Explanation:
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

QUESTION 82
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

Answer: AD
Explanation:
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

QUESTION 83
Your company plans to automate the deployment of servers to Azure.

Your manager is concerned that you may expose administrative credentials during the deployment.

You need to recommend an Azure solution that encrypts the administrative credentials during the deployment.

What should you include in the recommendation?

A. Azure Key Vault
B. Azure Information Protection
C. Azure Security Center
D. Azure Multi-Factor Authentication (MFA)

Answer: A
Explanation:
Azure Key Vault is a secure store for storage various types of sensitive information. In this question, we would store the administrative credentials in the Key Vault. With this solution, there is no need to store the administrative credentials as plain text in the deployment scripts.
All information stored in the Key Vault is encrypted.
Azure Key Vault can be used to Securely store and tightly control access to tokens, passwords, certificates, API keys, and other secrets.
Secrets and keys are safeguarded by Azure, using industry-standard algorithms, key lengths, and hardware security modules (HSMs). The HSMs used are Federal Information Processing Standards (FIPS) 140-2 Level 2 validated.
Access to a key vault requires proper authentication and authorization before a caller (user or application) can get access. Authentication establishes the identity of the caller, while authorization determines the operations that they are allowed to perform.
References:
https://docs.microsoft.com/en-us/azure/key-vault/key-vault-overview

QUESTION 84
This question requires that you evaluate the underlined text to determine if it is correct.

If a resource group named RG1 has a delete lock, only a member of the global administrators group can delete RG1.

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. the delete lock must be removed before an administrator
C. an Azure policy must be modified before an administrator
D. an Azure tag must be added before an administrator

Answer: B

QUESTION 85
This question requires that you evaluate the underlined text to determine if it is correct.

Azure Germany can be used by legal residents of Germany only.

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. only enterprises that are registered in Germany
C. only enterprises that purchase their azure licenses from a partner based in Germany
D. any user or enterprise that requires its data to reside in Germany

Answer: D
Explanation:
Azure Germany is available to eligible customers and partners globally who intend to do business in the EU/EFTA, including the United Kingdom.
Azure Germany offers a separate instance of Microsoft Azure services from within German datacenters.
The datacenters are in two locations, Frankfurt/Main and Magdeburg. This placement ensures that customer data remains in Germany and that the datacenters connect to each other through a private network. All customer data is exclusively stored in those datacenters. A designated German company--the German data trustee--controls access to customer data and the systems and infrastructure that hold customer data.
References:
https://docs.microsoft.com/en-us/azure/germany/germany-welcome?toc=%2fazure%2fgermany%2ftoc.json
https://docs.microsoft.com/en-us/azure/germany/germany-overview-data-trustee

QUESTION 86
This question requires that you evaluate the underlined text to determine if it is correct.

After you create a virtual machine, you need to modify the network security group (NSG) to allow connections from TCP port 8080 to the virtual machine.

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. virtual network gateway
C. virtual network
D. route table

Answer: A

QUESTION 87
Which Azure service should you use to store certificates?

A. Azure Security Center
B. an Azure Storage account
C. Azure Key Vault
D. Azure Information Protection

Answer: C

Explanation:
Azure Key Vault is a secure store for storage various types of sensitive information including passwords and certificates.
Azure Key Vault can be used to Securely store and tightly control access to tokens, passwords, certificates, API keys, and other secrets.
Secrets and keys are safeguarded by Azure, using industry-standard algorithms, key lengths, and hardware security modules (HSMs). The HSMs used are Federal Information Processing Standards (FIPS) 140-2 Level 2 validated.
Access to a key vault requires proper authentication and authorization before a caller (user or application) can get access. Authentication establishes the identity of the caller, while authorization determines the operations that they are allowed to perform.
References:
https://docs.microsoft.com/en-us/azure/key-vault/key-vault-overview

QUESTION 88
You have a resource group named RG1.

You plan to create virtual networks and app services in RG1.

You need to prevent the creation of virtual machines only in RG1.

What should you use?

A. a lock
B. an Azure role
C. a tag
D. an Azure policy

Answer: D
Explanation:
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.
In this question, we would create an Azure policy assigned to the resource group that denies the creation of virtual machines in the resource group.
You could place a read-only lock on the resource group. However, that would prevent the creation of any resources in the resource group, not virtual machines only. Therefore, an Azure Policy is a better solution.
Reference:
https://docs.microsoft.com/en-us/azure/governance/policy/overview

QUESTION 89
What can Azure Information Protection encrypt?

A. network traffic
B. documents and email messages
C. an Azure Storage account
D. an Azure SQL database

Answer: B

Explanation:
Azure Information Protection can encrypt documents and emails.
Azure Information Protection is a cloud-based solution that helps an organization to classify and optionally, protect its documents and emails by applying labels. Labels can be applied automatically by administrators who define rules and conditions, manually by users, or a combination where users are given recommendations.
The protection technology uses Azure Rights Management (often abbreviated to Azure RMS). This technology is integrated with other Microsoft cloud services and applications, such as Office 365 and Azure Active Directory.
This protection technology uses encryption, identity, and authorization policies. Similarly to the labels that are applied, protection that is applied by using Rights Management stays with the documents and emails, independently of the location inside or outside your organization, networks, file servers, and applications.
References:
https://docs.microsoft.com/en-us/azure/information-protection/compliance
https://docs.microsoft.com/en-us/azure/information-protection/quickstart-label-dnf-protectedemail

QUESTION 90
What should you use to evaluate whether your company's Azure environment meets regulatory requirements?

A. the Knowledge Center website
B. the Advisor blade from the Azure portal
C. Compliance Manager from the Security Trust Portal
D. the Security Center blade from the Azure portal

Answer: C
Explanation:
Compliance Manager in the Service Trust Portal is a workflow-based risk assessment tool that helps you track, assign, and verify your organization's regulatory compliance activities related to Microsoft Cloud services, such as Microsoft 365, Dynamics 365, and Azure.
Reference:
https://docs.microsoft.com/en-us/microsoft-365/compliance/get-started-with-service-trust-portal?view=o365-worldwide

QUESTION 91
This question requires that you evaluate the underlined text to determine if it is correct.

Your company implements Azure policies to automatically add a watermark to Microsoft Word documents that contain credit card information.

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. DDoS protection
C. Azure Information Protection
D. Azure Active Directory (Azure AD) Identity Protection

Answer: C
Explanation:
https://docs.microsoft.com/en-us/azure/information-protection/infoprotect-quick-start-tutorial

QUESTION 92
This question requires that you evaluate the underlined text to determine if it is correct.

From Azure Monitor, you can view which user turned off a specific virtual machine during the last 14 days.

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. Azure Event Hubs
C. Azure Activity Log
D. Azure Service Health

Answer: C
Explanation:
https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-group-audit

QUESTION 93
This question requires that you evaluate the underlined text to determine if it is correct.

You have an Azure virtual network named VNET1 in a resource group named RG1.

You assign an Azure policy specifying that virtual networks are not an allowed resource type in RG1. VNET1 is deleted automatically.

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 moved automatically to another resource group
C. continues to function normally
D. is now a read-only object

Answer: A
Explanation:
https://docs.microsoft.com/en-us/azure/governance/policy/overview

QUESTION 94
Your company has an Azure environment that contains resources in several regions.

A company policy states that administrators must only be allowed to create additional Azure resources in a region in the country where their office is located.

You need to create the Azure resource that must be used to meet the policy requirement.

What should you create?

A. a read-only lock
B. an Azure policy
C. a management group

D. a reservation

Answer: B
Explanation:
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.
Azure Policy offers several built-in policies that are available by default. In this question, we would use the `Allowed Locations' policy to define the locations where resources can be deployed.
References:
https://docs.microsoft.com/en-us/azure/governance/policy/overview

QUESTION 95
This question requires that you evaluate the underlined text to determine if it is correct.

Authorization is the process of verifying a user’s credentials.

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. Authentication
C. Federation
D. Ticketing

Answer: B

QUESTION 96
You need to configure an Azure solution that meets the following requirements:

```
- Secures websites from attacks
- Generates reports that contain details of attempted attacks
```

What should you include in the solution?

A. Azure Firewall
B. a network security group (NSG)
C. Azure Information Protection
D. DDoS protection

Answer: D
Explanation:
DDoS is a type of attack that tries to exhaust application resources. The goal is to affect the application's availability and its ability to handle legitimate requests. DDoS attacks can be targeted at any endpoint that is publicly reachable through the internet.
Azure has two DDoS service offerings that provide protection from network attacks: DDoS Protection Basic and DDoS Protection Standard.

DDoS Basic protection is integrated into the Azure platform by default and at no extra cost.
You have the option of paying for DDoS Standard. It has several advantages over the basic service, including logging, alerting, and telemetry. DDoS Standard can generate reports that contain details of attempted attacks as required in this question.
References:
https://docs.microsoft.com/en-us/azure/security/fundamentals/ddos-best-practices

QUESTION 97
Your company plans to migrate all on-premises data to Azure. You need to identify whether Azure complies with the company's regional requirements.

What should you use?

A. the Knowledge Center
B. Azure Marketplace
C. the Azure portal
D. the Trust Center

Answer: D
Explanation:
Azure has more than 90 compliance certifications, including over 50 specific to global regions and countries, such as the US, the European Union, Germany, Japan, the United Kingdom, India and China.
You can view a list of compliance certifications in the Trust Center to determine whether Azure meets your regional requirements.
Reference:
https://azure.microsoft.com/en-gb/overview/trusted-cloud/compliance/
https://docs.microsoft.com/en-us/microsoft-365/compliance/get-started-with-service-trust-portal

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QUESTION 98
This question requires that you evaluate the underlined text to determine if it is correct.

Azure Key Vault is used to store secrets for Azure Active Directory (Azure AD) user accounts.

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. Azure Active Directory (Azure AD) administrative accounts
C. Personally Identifiable Information (PII)
D. server applications

Answer: D
Explanation:
Centralizing storage of application secrets in Azure Key Vault allows you to control their distribution. Key Vault greatly reduces the chances that secrets may be accidentally leaked.
When using Key Vault, application developers no longer need to store security information in their application. Not having to store security information in applications eliminates the need to make this information part of the code. For example, an application may need to connect to a database. Instead of storing the connection string in the app's code, you can store it securely in Key Vault.
References:
https://docs.microsoft.com/en-us/azure/key-vault/key-vault-overview
https://docs.microsoft.com/en-us/learn/modules/manage-secrets-with-azure-key-vault/

QUESTION 99
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

Answer: D
Explanation:
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

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QUESTION 100
Your company has 10 offices. You plan to generate several billing reports from the Azure portal. Each report will contain the Azure resource utilization of each office.

Which Azure Resource Manager feature should you use before you generate the reports?

A. tags
B. templates
C. locks
D. policies

Answer: A
Explanation:
You can use resource tags to `label' Azure resources. Tags are metadata elements attached to resources.
Tags consist of pairs of key/value strings. In this question, we would tag each resource with a tag to identify each office. For example: Location = Office1. When all Azure resources are tagged, you can generate reports to list all resources based on the value of the tag. For example: All resources used by Office1.
References:
https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/decision-guides/resource-tagging/

QUESTION 101
This question requires that you evaluate the underlined text to determine if it is correct.

You deploy an Azure resource. The resource becomes unavailable for an extended period due to a service outage. Microsoft will automatically refund your bank account.

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. automatically migrate the resource to another subscription
C. automatically credit your account
D. send you a coupon code that you can redeem for Azure credits

Answer: C

QUESTION 102
Below are some options of Azure resources. Can you identify which of these can be deployed as infrastructure as a service (laaS)?

A. Azure SQL Database
B. Office 365
C. API Management
D. Virtual Machine (VM)

Answer: D
Explanation:
A VM is generally considered Infrastructure-as-a-Service, as you retain responsibility for patching and managing the Virtual Machine Operating System.

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QUESTION 103
An organization you work for has to comply with internal compliance goals. The organization must have its Azure resources complaint with company standards. For this, ongoing evaluation of non-complaint resources is required. What would you recommend as a solution to use in this situation?

A. Azure Policies
B. Azure Advisor
C. Role-based access control (RBAC)
D. Azure Monitor

Answer: A

QUESTION 104
Microsoft Marketplace is used by companies as their primary source for enterprise level subscriptions to applications like Microsoft office 365. Choose 'No change' if the statement is correct. If not, choose the correct option.

A. Provides a way for organization to publish internal apps for easy access to users and business partners
B. Is an open market place enabling potential customers to be in direct contact with solution providers
C. No change

D. Provides purchase and subscriptions link to certified cloud applicatons and solutions from Microsoft and its technology partners

Answer: D

QUESTION 105
An organization migrates to cloud services to budget infrastructure costs as an operational expense. Choose 'No change needed' if the statement is correct. If not, choose the correct option.

A. As both capital and operational expense
B. As a capital expense
C. As neither capital nor operational expense
D. No change is needed

Answer: B

QUESTION 106
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

Answer: B
Explanation:
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

QUESTION 107
If you want to integrate apps, systems, data and service across your company, which Azure service will you use for serverless workflow orchestration?

A. Functions
B. Apps Grid
C. Logic Apps
D. Bot Service

Answer: C

QUESTION 108
You will be using Azure Monitor to collect data about your Azure infrastructure. Can you identify the type of data collection that requires you to enable diagnostics?

A. Events Logs
B. Linux Virtual Machine health
C. Container workload performance
D. Usage of Web applications

Answer: D

QUESTION 109
Autoscale is used by an Azure Service to add or remove resources. The purpose is to minimize costs and bring in optimum performance levels. Can you identify which Azure Service uses autoscale?

A. Azure Service Health
B. Azure Security Center
C. Azure Monitor
D. Azure Advisor

Answer: B

QUESTION 110
What is guaranteed in an Azure Service Level Agreement (SLA)?

A. uptime
B. feature availability
C. bandwidth
D. performance

Answer: A
Explanation:
The SLA for virtual machines guarantees `uptime'. The amount of uptime guaranteed depends on factors such as whether the VMs are in an availability set or availability zone if there is more than one VM, the distribution of the VMs if there is more than one or the disk type if it is a single VM.
The SLA for Virtual Machines states:
For all Virtual Machines that have two or more instances deployed across two or more Availability Zones in the same Azure region, we guarantee you will have Virtual Machine Connectivity to at least one instance at least 99.99% of the time.

For all Virtual Machines that have two or more instances deployed in the same Availability Set or in the same Dedicated Host Group, we guarantee you will have Virtual Machine Connectivity to at least one instance at least 99.95% of the time.
For any Single Instance Virtual Machine using Premium SSD or Ultra Disk for all Operating System Disks and Data Disks, we guarantee you will have Virtual Machine Connectivity of at least 99.9%.
References:
https://azure.microsoft.com/en-us/support/legal/sla/summary/
https://azure.microsoft.com/en-us/support/legal/sla/virtual-machines/v1_9/

QUESTION 111
Microsoft has an Azure lifecycle Policy. Can you identify from the options below the correct time that Microsoft gives before retiring a guest operating system (OS)?

A. 12 months
B. 6 Months
C. 60 days
D. 24 months

Answer: A

QUESTION 112
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 Professional Direct support plan.

Does this meet the goal?

A. Yes
B. No

Answer: A
Explanation:
The Basic support plan does not have any technical support for engineers.
The Developer support plan has only technical support for engineers via email.
The Standard, Professional Direct, and Premier support plans have technical support for engineers via email and phone.
References:
https://azure.microsoft.com/en-gb/support/plans/

QUESTION 113
An automobile manufacturing company has asked your organization to build a solution for it. With this solution, the client wants to allow vehicles to send on board diagnostic sensory and vehicles telemetry data to cloud. The data will be used for analysis. The solution must allow you to identify individual from the data that is sent. Which of the following is the most suitable Azure solution for this situation?

A. IOT Hub
B. Notification Hub
C. Event Hub
D. IOT Central

Answer: D

QUESTION 114
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.

You need to recommend an Azure deployment that provides the ability to segment Azure for the departments. The solution must minimize administrative effort.

What should you include in the recommendation?

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

Answer: A

QUESTION 115
A company has the requirement to have an automated process in place which would upload logs to an Azure SQL database every week. Reports would then be generated from the SQL database. Which of the following would you use for this requirement?

A. The AzCopy tool
B. Azure Data Factory
C. Azure HDInsight
D. Data Migration Assistant

Answer: B
Explanation:
You can use the Azure Data Factory to create a pipeline that can be used to copy data. Below is an excerpt from the Microsoft documentation on the connector for SQL server.
https://docs.microsoft.com/en-us/azure/data-factory/connector-sql-server

QUESTION 116
A company is planning on deploying an application onto Azure. The application will be based on the .Net core programming language. The application would be hosted using Azure Web apps. Below is part of the various requirements for the application:

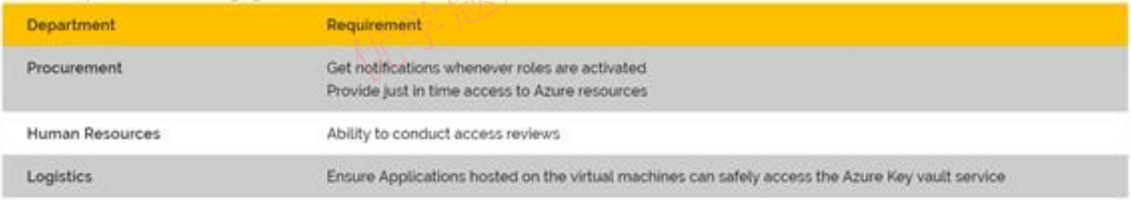
- Gives the ability for the testing team to view the different components of an application and see the calls being made between the different application components
- Helps business analyse how many users actually return to the application
- Ensuring IT administrators get alerts based on critical conditions being met in the application

Which of the following service would be best suited for fulfilling the requirement of "Helps business analyse how many users actually return to the application"?

A. Application Insights
B. Azure Service Health
C. Azure Advisor
D. Azure Policies

Answer: A
Explanation:
https://docs.microsoft.com/en-us/azure/azure-monitor/app/usage-retention

QUESTION 117
A company has setup an Azure subscription and an Azure tenant. They have purchased Premium P2 licenses. There are different departments that have different requirements for managing identities.



Department	Requirement
Procurement	Get notifications whenever roles are activated Provide just in time access to Azure resources
Human Resources	Ability to conduct access reviews
Logistics	Ensure Applications hosted on the virtual machines can safely access the Azure Key vault service

Which of the following would you suggest for the Logistics department?

A. Managed Service Identity
B. Identity Protection
C. Privileged Identity Management
D. Azure AD Connect

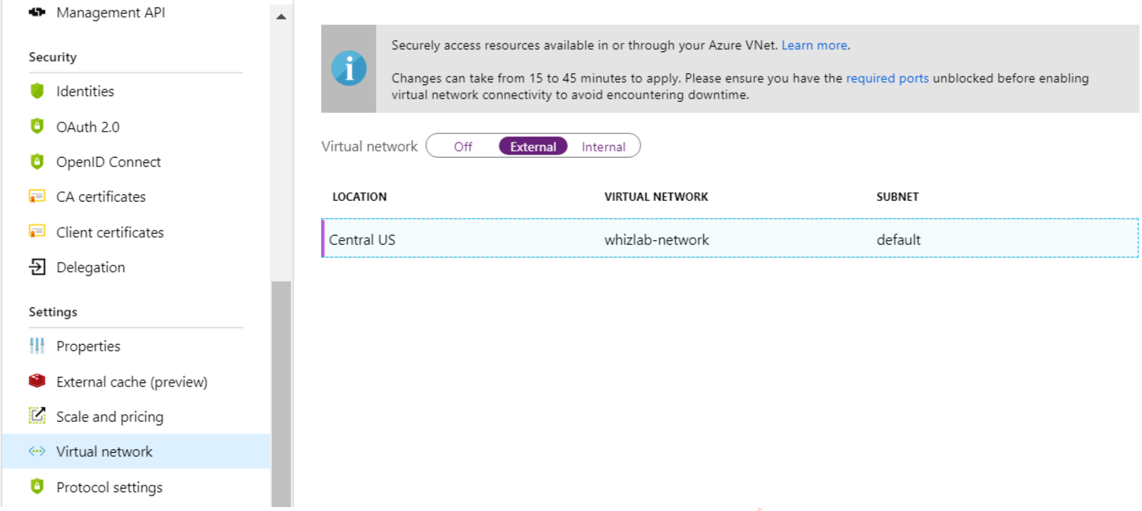
Answer: A
Explanation:
This is clearly given in the Microsoft documentation wherein the Privileged Identity Management feature would fulfil this requirement.
https://docs.microsoft.com/en-us/azure/active-directory/managed-identities-azure-resources/overview

QUESTION 118
A company has developed a web service that is made available on a virtual machine deployed to a subnet in the Virtual network.

An API Management service has been deployed, which will provide access to the API service hosted on the Virtual Machine.

Consultant companies must be able to connect to the API over the Internet.

Below is the configuration of the API management gateway instance


Management API
Security
Identities
OAuth 2.0
OpenID Connect
CA certificates
Client certificates
Delegation
Settings
Properties
External cache (preview)
Scale and pricing
Virtual network
Protocol settings

Securely access resources available in or through your Azure VNet. Learn more.

Changes can take from 15 to 45 minutes to apply. Please ensure you have the required ports unblocked before enabling virtual network connectivity to avoid encountering downtime.

Virtual network: Off [✓ External] Internal

LOCATION	VIRTUAL NETWORK	SUBNET
Central US	whizlab-network	default

Based on the configuration, would the API be available to the consultants over the Internet?

A. Yes
B. No

Answer: A
Explanation:
https://docs.microsoft.com/en-us/azure/api-management/api-management-using-with-vnet

QUESTION 119
A company wants to deploy an application to Azure. The application has the below requirements:

- Give the ability to install and provide access to the full .Net framework
- Allow administrative access to the operating system
- Provide a level of redundancy if an Azure region fails

You decide to deploy 2 Azure Virtual Machines in 2 separate regions. And then you create a Traffic Manager Profile
Does this solution meet the requirement?

A. Yes
B. No

Answer: A
Explanation:
Yes, this will meet all the requirements. Since you are using Azure Virtual Machines, IT administrators can get the required access. You can also then get the required access to the underlying software including the .Net framework.
Using a Traffic Manager profile along with the failover routing policy can ensure the requirement for redundancy is fulfilled.
https://docs.microsoft.com/en-us/azure/traffic-manager/traffic-manager-overview

QUESTION 120

A team has an Azure CosmosDB account. A solution needs to be in place to generate an alert from Azure Log Analytics when a query request charge exceeds 40 units more than 10 times during a 10-minute window.
Which of the following would you recommend? (Choose two)

A. Create a search query to identify when the requestCharge_s exceeds 40.
B. Create a search query to identify when the requestCharge_s exceeds 10.
C. Create a search query to identify when the duration_s exceeds 10.
D. Configure a period of 10 and a frequency of 10.

Answer: AD
Explanation:
https://docs.microsoft.com/en-us/azure/cosmos-db/logging

QUESTION 121

Our team needs to deploy a Virtual machine that will host a SQL Server. The Virtual machine will have 2 data disks, one for the log file and the other for the data files. You need to recommend a caching policy for each disk

Which of the following would you recommend for the data disk containing the logs?

A. None
B. ReadOnly
C. WriteOnly
D. ReadWrite

Answer: A
Explanation:
https://docs.microsoft.com/en-us/azure/virtual-machines/windows/sql/virtual-machines-windows-sql-performance

QUESTION 122

A company has setup an Azure subscription and an Azure tenant. You need to provide the development team to be able to start and stop Virtual Machines. The access needs to be granted on specific occasions only.

You need to ensure the permission gets assigned and use the principle of least privilege. You also need to minimize costs.

Which of the following security feature would you use for the requirement?

A. Conditional Access policy
B. Azure Policies
C. Just in time VM access
D. Privileged Identity Management

Answer: D
Explanation:
With Privileged Identity Management, you can implement just in time privileges for Azure

resources.
https://docs.microsoft.com/en-us/azure/active-directory/privileged-identity-management/pim-configure

QUESTION 123
A company has deployed several applications across Windows and Linux Virtual machines in Azure. Log Analytics are being used to send the required data for alerting purposes for the Virtual Machines.

You need to recommend which tables need to be queried for security related queries.

Which of the following would you query for events from Windows Event Logs?

A. Azure Activity
B. Azure Diagnostics
C. Event
D. Syslog

Answer: C
Explanation:
https://docs.microsoft.com/en-us/azure/azure-monitor/platform/data-sources-windows-events

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QUESTION 124
A company has the following on-premise data stores

```
- A Microsoft SQL Server 2012 database
- A Microsoft SQL Server 2008 database
- The data needs to be migrated to Azure
```

Requirement 1 - The data in the Microsoft SQL Server 2012 database needs to be migrated to an Azure SQL database
Requirement 2 - The data in a table in the Microsoft SQL Server 2008 database needs to be migrated to an Azure CosmosDB account that uses the SQL API

Which of the following should be used to accomplish Requirement2?

A. AzCopy
B. Azure CosmosDB Data Migration tool
C. Data Management Gateway
D. Data Migration Assistant

Answer: B
Explanation:
https://docs.microsoft.com/en-us/azure/cosmos-db/import-data

QUESTION 125
A company is planning on deploying an Azure Web App to 2 regions.

One of the key requirements is to ensure that the web app is always running if an Azure region fails. You need to ensure deployment costs are minimized.

Which of the following service would you include in the deployment of the solution?

A. Azure Functions
B. Azure Traffic Manager
C. Azure Application Gateway
D. Azure Load Balancer

Answer: B
Explanation:
https://docs.microsoft.com/en-us/azure/traffic-manager/traffic-manager-overview

QUESTION 126
A company has deployed several applications across Windows and Linux Virtual machines in Azure. Log Analytics are being used to send the required data for alerting purposes for the Virtual Machines.

You need to recommend which tables need to be queried for security related queries.

Which of the following would you query for events from Linux system logging?

A. Azure Activity
B. Azure Diagnostics
C. Event
D. Syslog

Answer: D
Explanation:
https://docs.microsoft.com/en-us/azure/azure-monitor/platform/data-sources-syslog

QUESTION 127
A company is planning on deploying a stateless based application based on microservices using the Azure Service Fabric service.
You need to design the infrastructure that would be required in the Azure Service Fabric service.
Which of the following should you consider? (Choose two)

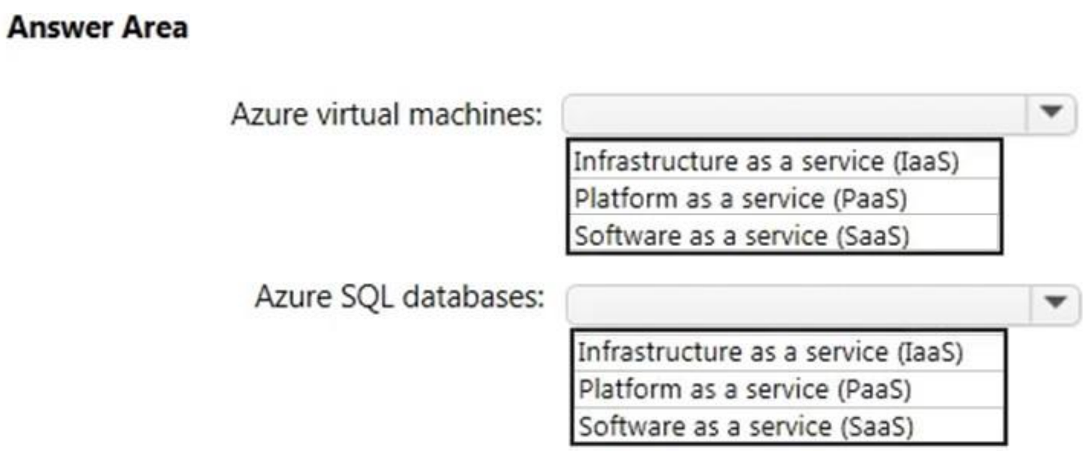
A. The number of node types in the cluster
B. The properties for each node type
C. The network connectivity
D. The service tier

Answer: AB
Explanation:
https://docs.microsoft.com/en-us/azure/service-fabric/service-fabric-cluster-capacity

QUESTION 128
Hotspot Question

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.

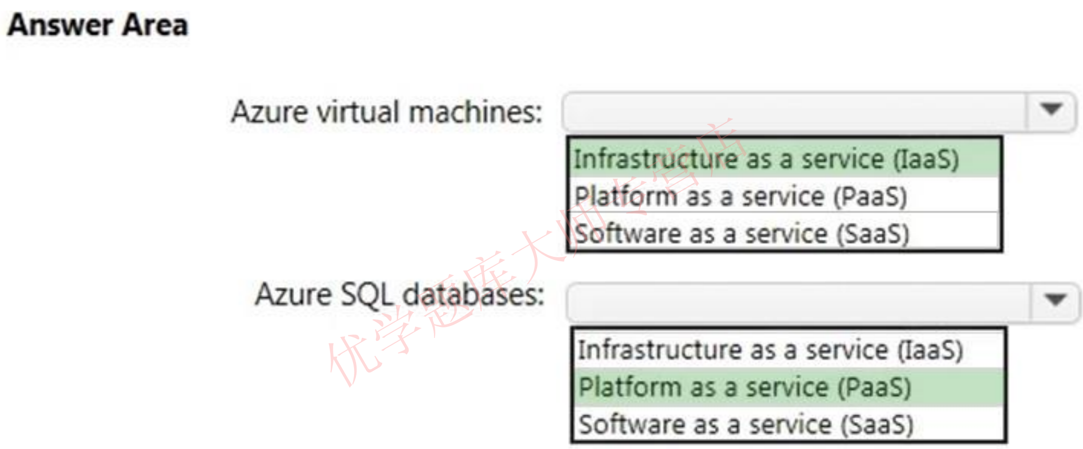


Answer Area

Azure virtual machines:
- Infrastructure as a service (IaaS)
- Platform as a service (PaaS)
- Software as a service (SaaS)

Azure SQL databases:
- Infrastructure as a service (IaaS)
- Platform as a service (PaaS)
- Software as a service (SaaS)

Answer:



Answer Area

Azure virtual machines:
- Infrastructure as a service (IaaS)
- Platform as a service (PaaS)
- Software as a service (SaaS)

Azure SQL databases:
- Infrastructure as a service (IaaS)
- Platform as a service (PaaS)
- Software as a service (SaaS)

Explanation:
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.

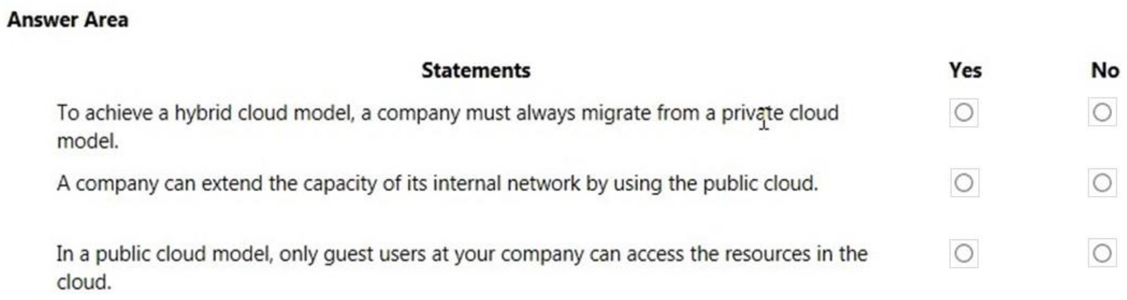
Box 2:
Azure SQL databases are Platform as a Service (Paas).
Azure SQL Database is a fully managed Platform as a Service (PaaS) Database Engine that handles most of the database management functions such as upgrading, patching, backups, and monitoring without user involvement. Azure SQL Database is always 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 129

Hotspot Question

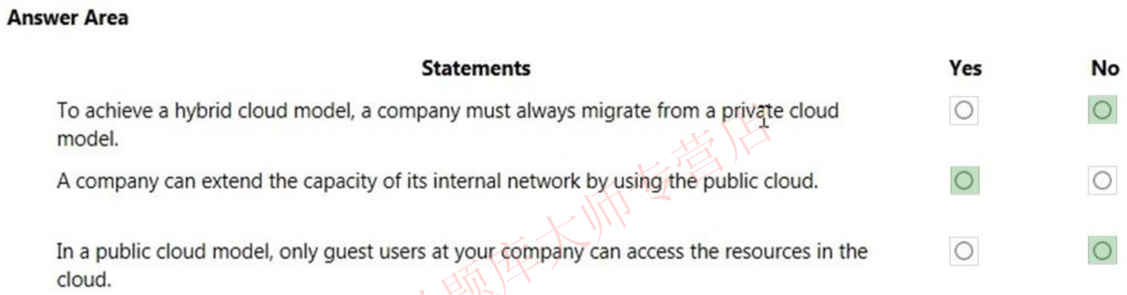
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.



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.	○	○

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.	○	●

Explanation:
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.

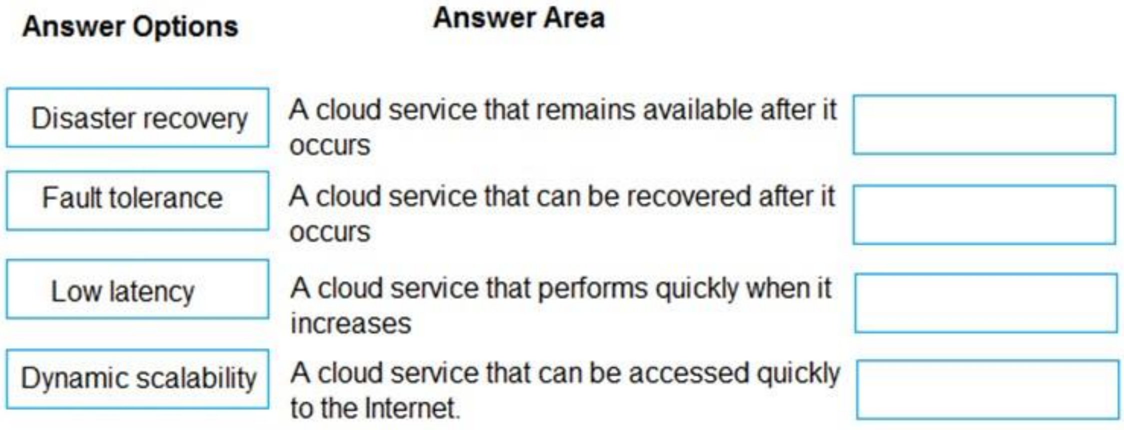
https://azure.microsoft.com/en-gb/overview/what-is-hybrid-cloud-computing/

QUESTION 130
Drag and Drop Question

Match the Azure Cloud Services benefit to the correct description.

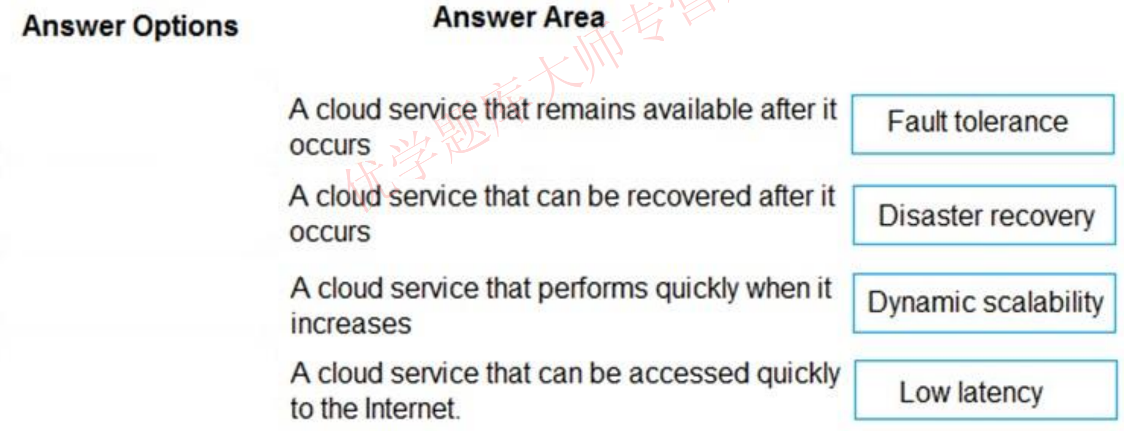
Instructions: To answer, drag the appropriate benefit from the column on the left to its description on the right. Each benefit may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.



Answer Options	Answer Area	
Disaster recovery	A cloud service that remains available after it occurs	
Fault tolerance	A cloud service that can be recovered after it occurs	
Low latency	A cloud service that performs quickly when it increases	
Dynamic scalability	A cloud service that can be accessed quickly to the Internet.	

Answer:



Answer Options	Answer Area	
	A cloud service that remains available after it occurs	Fault tolerance
	A cloud service that can be recovered after it occurs	Disaster recovery
	A cloud service that performs quickly when it increases	Dynamic scalability
	A cloud service that can be accessed quickly to the Internet.	Low latency

Explanation:
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:

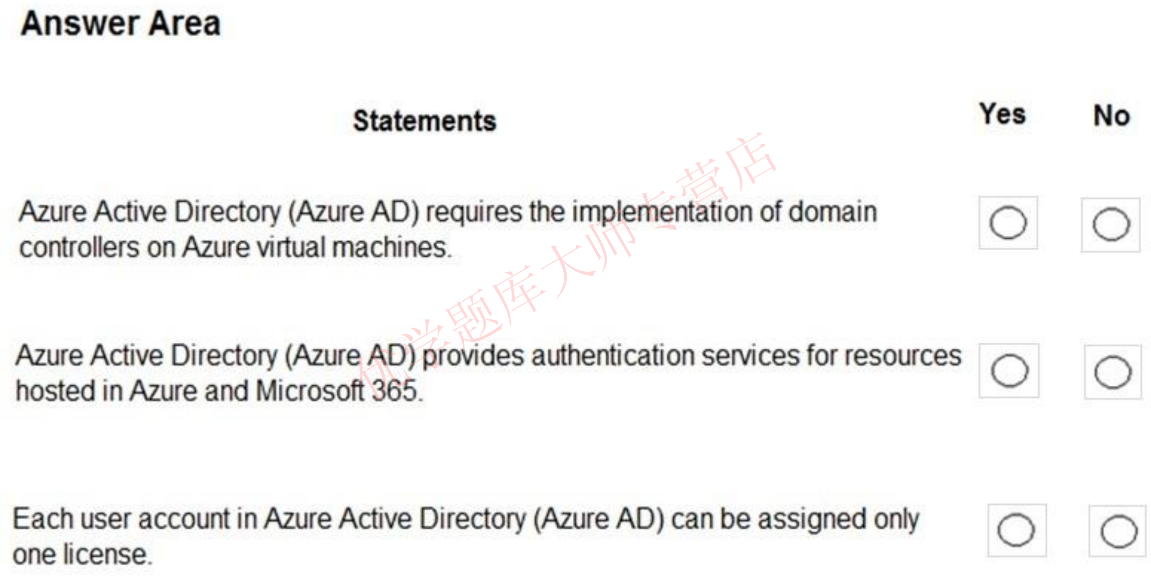
Latency is the time a service to respond to requests. For example, the time it takes for a web page to be returned from a web server. Low latency means low response time which means a quicker response.

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 131
Hotspot Question

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

NOTE: Each correct selection is worth one point.



Answer Area

Statements	Yes	No
Azure Active Directory (Azure AD) requires the implementation of domain controllers on Azure virtual machines.	○	○
Azure Active Directory (Azure AD) provides authentication services for resources hosted in Azure and Microsoft 365.	○	○
Each user account in Azure Active Directory (Azure AD) can be assigned only one license.	○	○

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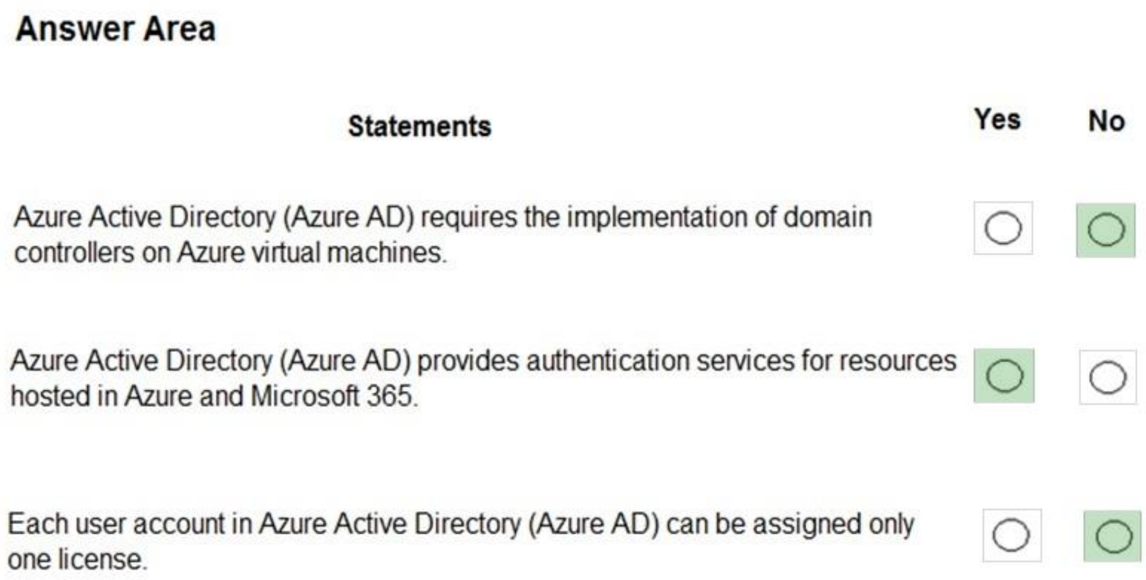
Answer:



Answer Area

Statements	Yes	No
Azure Active Directory (Azure AD) requires the implementation of domain controllers on Azure virtual machines.	○	●
Azure Active Directory (Azure AD) provides authentication services for resources hosted in Azure and Microsoft 365.	●	○
Each user account in Azure Active Directory (Azure AD) can be assigned only one license.	○	●

Explanation:
Box 1: No
Azure Active Directory (Azure AD) is a cloud-based service. It does not require domain controllers on virtual machines.

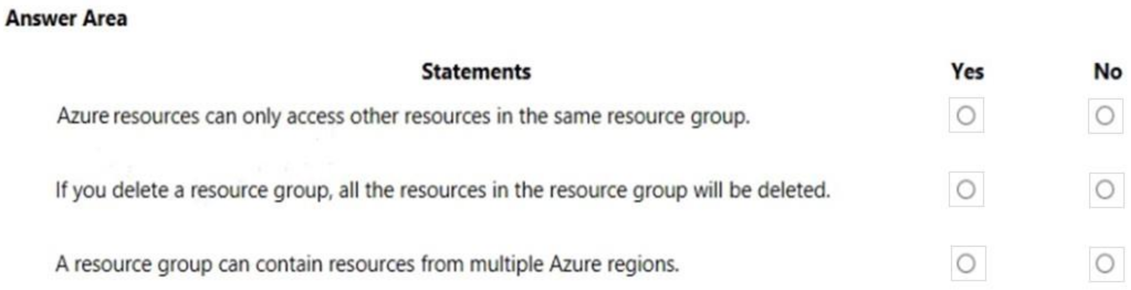
Box 2: Yes
Azure Active Directory (Azure AD) is a centralized identity provider in the cloud. This is the primary built-in authentication and authorization service to provide secure access to Azure resources and Microsoft 365.

Box 3: No
User accounts in Azure Active Directory can be assigned multiple licenses for different Azure or Microsoft 365 services.

QUESTION 132
Hotspot Question

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

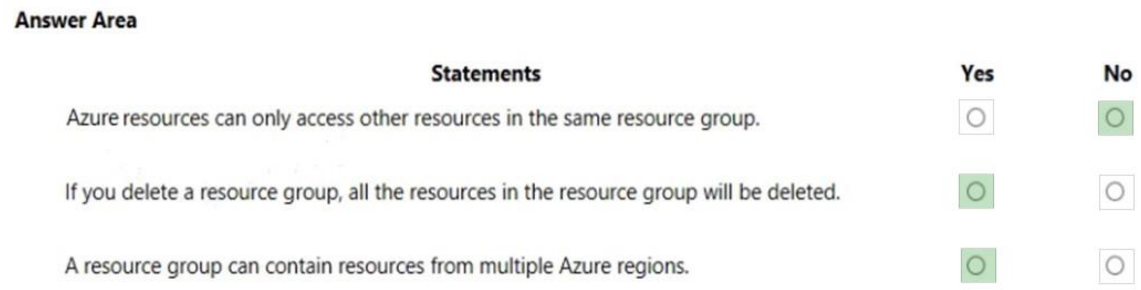
NOTE: Each correct selection is worth one point.



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.	○	○

Answer:



Answer Area

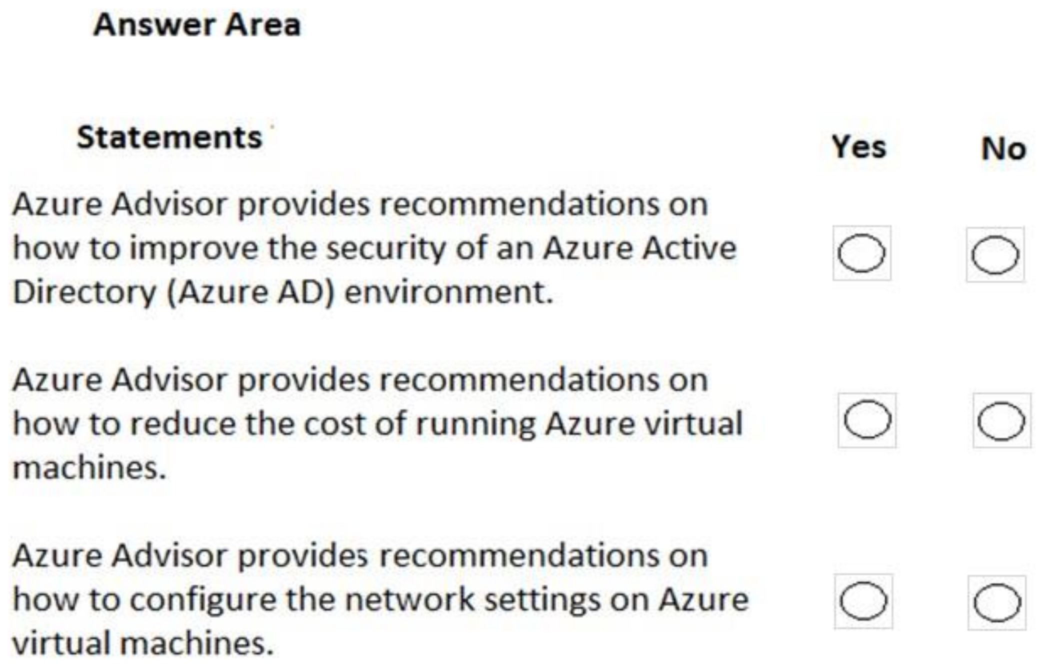
Statements	Yes	No
Azure resources can only access other resources in the same resource group.	○	[✓ ○]
If you delete a resource group, all the resources in the resource group will be deleted.	[✓ ○]	○
A resource group can contain resources from multiple Azure regions.	[✓ ○]	○

Explanation:
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.
Box 3: Yes
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 133
Hotspot Question

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

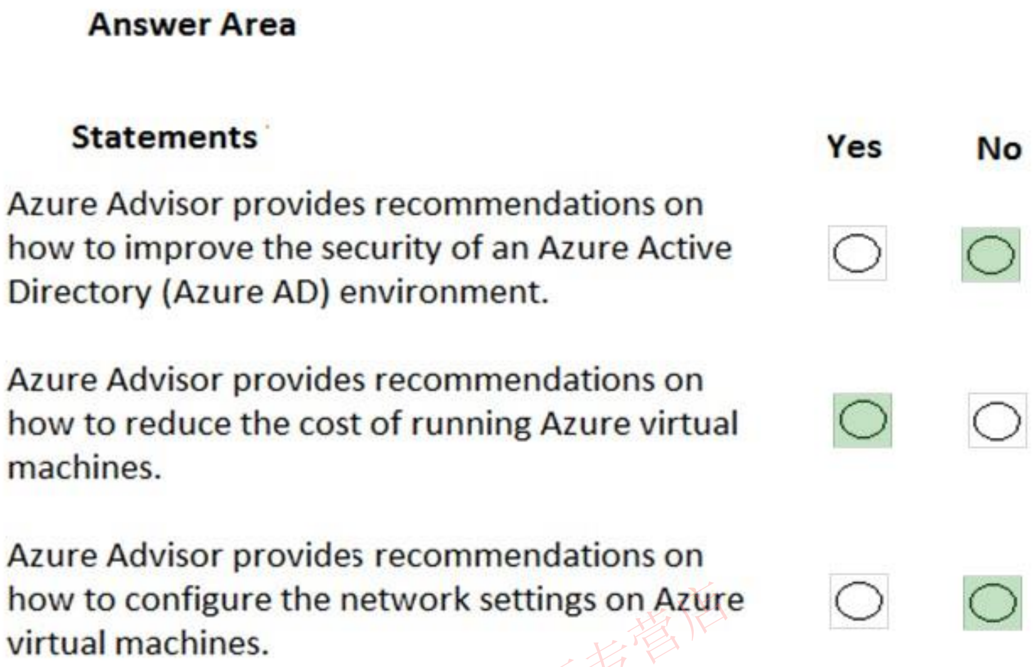
NOTE: Each correct selection is worth one point.



Answer Area

Statements	Yes	No
Azure Advisor provides recommendations on how to improve the security of an Azure Active Directory (Azure AD) environment.	○	○
Azure Advisor provides recommendations on how to reduce the cost of running Azure virtual machines.	○	○
Azure Advisor provides recommendations on how to configure the network settings on Azure virtual machines.	○	○

Answer:



Answer Area

Statements	Yes	No
Azure Advisor provides recommendations on how to improve the security of an Azure Active Directory (Azure AD) environment.	○	●
Azure Advisor provides recommendations on how to reduce the cost of running Azure virtual machines.	●	○
Azure Advisor provides recommendations on how to configure the network settings on Azure virtual machines.	○	●

Explanation:
Box 1: No
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. Examples of recommendations include restricting access to virtual machines by configuring Network Security Groups, enabling storage encryption, installing vulnerability assessment solutions. However, Azure Advisor does not provide recommendations on how to improve the security of an Azure AD environment.

Box 2: Yes
Advisor helps you optimize and reduce your overall Azure spend by identifying idle and underutilized resources. You can get cost recommendations from the Cost tab on the Advisor dashboard.

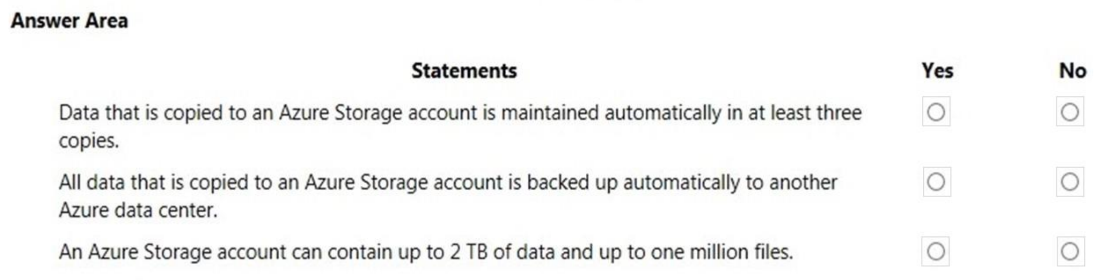
Box 3: No.
Azure Advisor does not provide recommendations on how to configure network settings on Azure virtual machines.

References:
https://docs.microsoft.com/en-us/azure/advisor/advisor-security-recommendations
https://docs.microsoft.com/en-us/azure/advisor/advisor-cost-recommendations

QUESTION 134
Hotspot Question

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

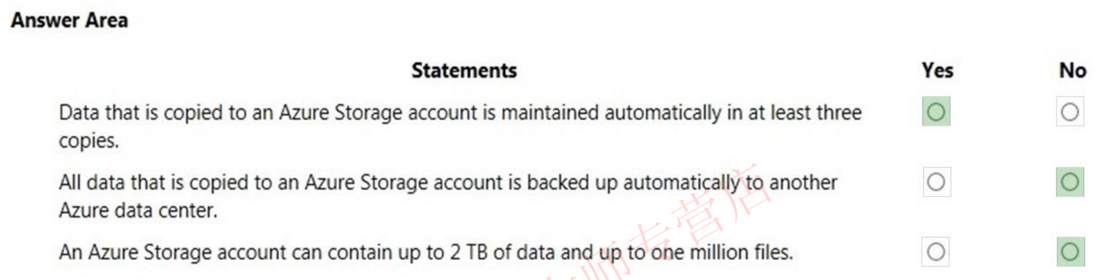
NOTE: Each correct selection is worth one point.



Answer Area

Statements	Yes	No
Data that is copied to an Azure Storage account is maintained automatically in 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.	○	○

Answer:



Answer Area

Statements	Yes	No
Data that is copied to an Azure Storage account is maintained automatically in 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.	○	●

Explanation:
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.

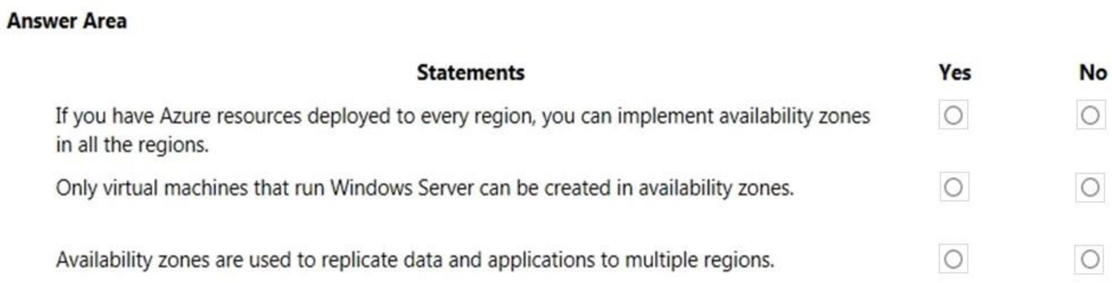
Box 3: No
The limits are much higher than that. The current storage limit is 2 PB for US and Europe, and 500 TB for all other regions (including the UK) with no limit on the number of files.

Reference:
https://docs.microsoft.com/en-us/azure/storage/common/storage-account-overview

QUESTION 135
Hotspot Question

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

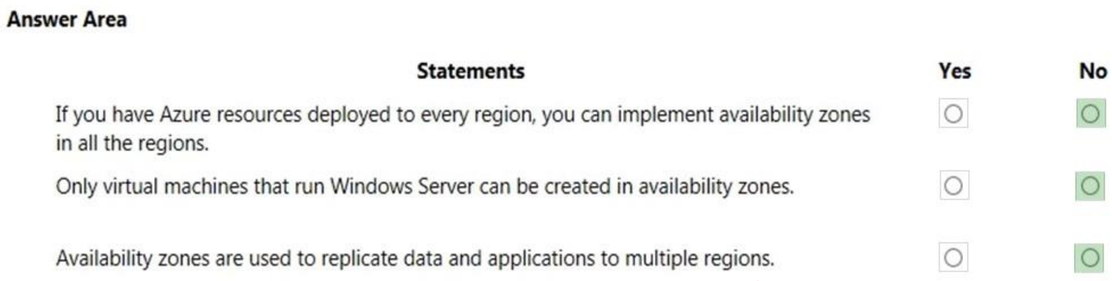
NOTE: Each correct selection is worth one point.



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.	○	○

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.	○	●

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

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

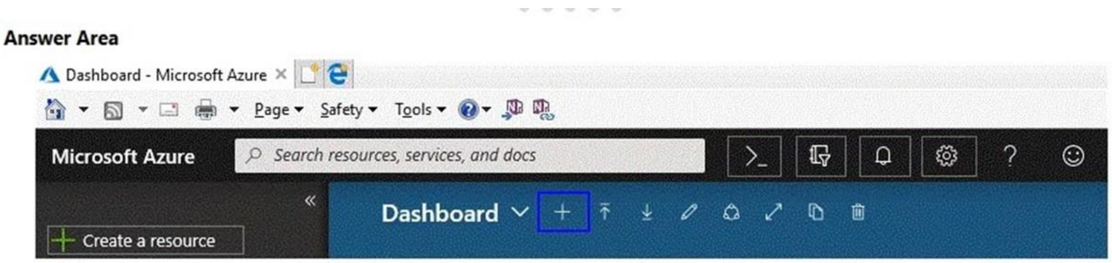
Box 3: Yes
Availability Zones is a high-availability offering that protects your applications and data from datacenter failures. Availability Zones are unique physical locations within an Azure region. Each zone is made up of one or more datacenters equipped with independent power, cooling, and networking. 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

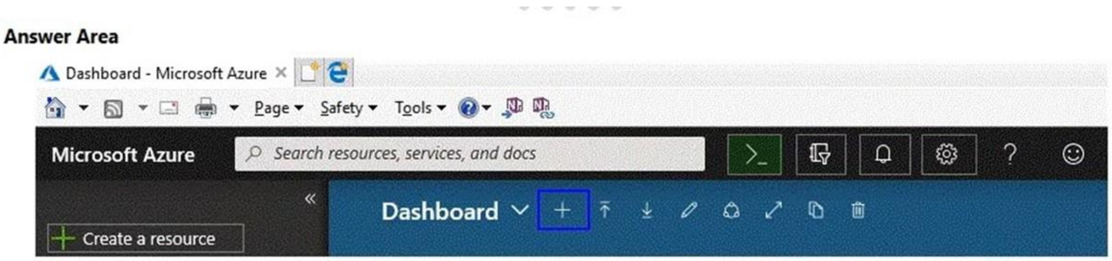
QUESTION 136
Hotspot Question

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.


Answer Area
Dashboard - Microsoft Azure
Page
Safety
Tools
Microsoft Azure
Search resources, services, and docs
Dashboard
Create a resource

Answer:


Answer Area
Dashboard - Microsoft Azure
Page
Safety
Tools
Microsoft Azure
Search resources, services, and docs
Dashboard
Create a resource

Explanation:
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.

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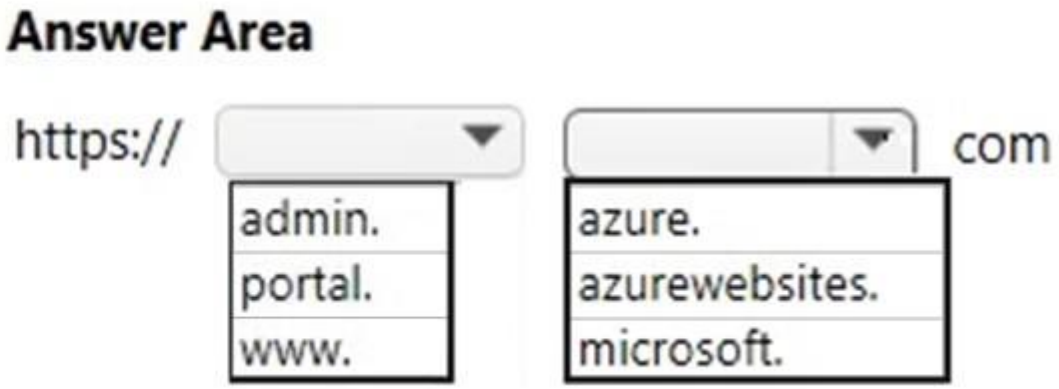
References:
https://docs.microsoft.com/en-us/azure/cloud-shell/overview?view=azure-cli-latest

QUESTION 137
Hotspot Question

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.

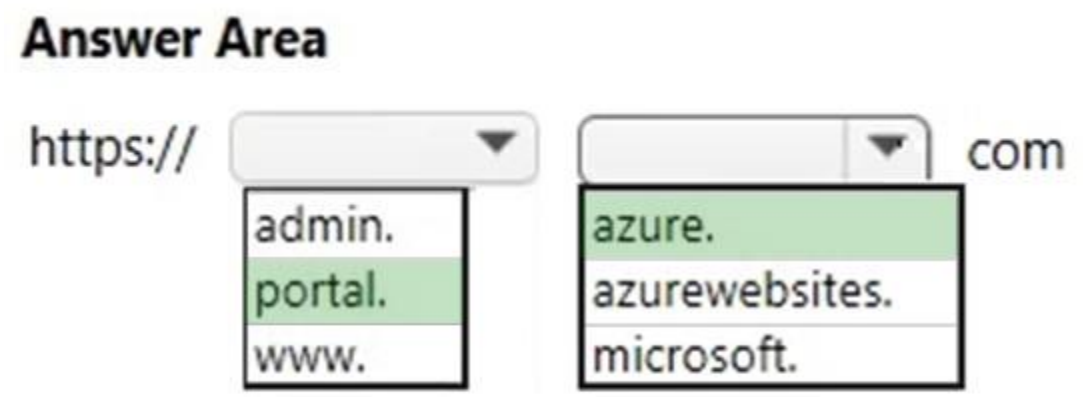
NOTE: Each correct selection is worth one point.



Answer Area

https:// [admin. / portal. / www.] [azure. / azurewebsites. / microsoft.] com

Answer:



Answer Area

https:// [portal.] [azure.] com

- admin.
- portal.
- www.

- azure.
- azurewebsites.
- microsoft.

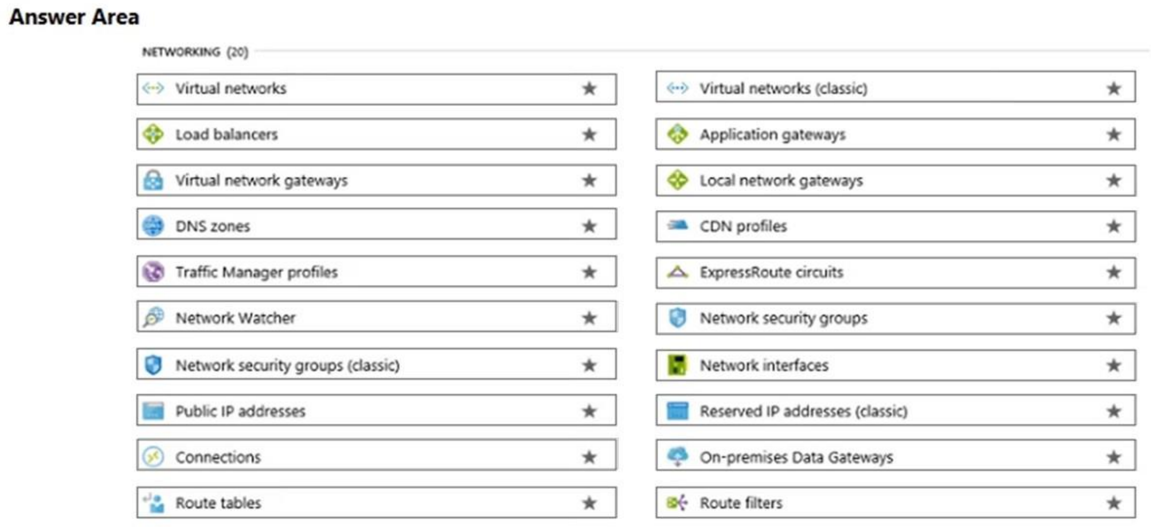
Explanation:
The Azure portal is a web-based management interface where you can view and manage all your Azure resources in one unified hub, including web apps, databases, virtual machines, virtual networks, storage and Visual Studio team projects.
The URL of the Azure portal is https://portal.azure.com.

References:
https://azure.microsoft.com/en-gb/features/azure-portal/

QUESTION 138
Hotspot Question

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 identifies the VPN appliance.
Which Azure resource should you create? To answer, select the appropriate resource in the answer area.

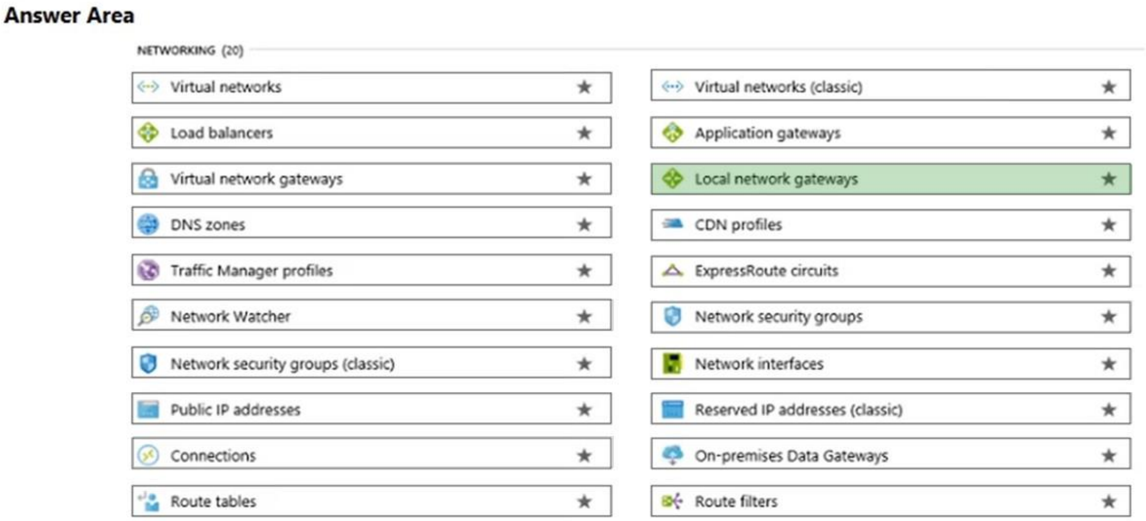


Answer Area

NETWORKING (20)

Virtual networks ★	Virtual networks (classic) ★
Load balancers ★	Application gateways ★
Virtual network gateways ★	Local network gateways ★
DNS zones ★	CDN profiles ★
Traffic Manager profiles ★	ExpressRoute circuits ★
Network Watcher ★	Network security groups ★
Network security groups (classic) ★	Network interfaces ★
Public IP addresses ★	Reserved IP addresses (classic) ★
Connections ★	On-premises Data Gateways ★
Route tables ★	Route filters ★

Answer:



Answer Area

NETWORKING (20)

Virtual networks ★	Virtual networks (classic) ★
Load balancers ★	Application gateways ★
Virtual network gateways ★	Local network gateways ★
DNS zones ★	CDN profiles ★
Traffic Manager profiles ★	ExpressRoute circuits ★
Network Watcher ★	Network security groups ★
Network security groups (classic) ★	Network interfaces ★
Public IP addresses ★	Reserved IP addresses (classic) ★
Connections ★	On-premises Data Gateways ★
Route tables ★	Route filters ★

Explanation:

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

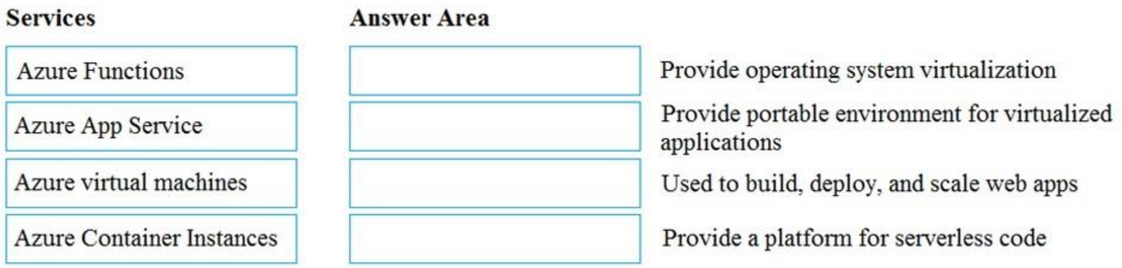
QUESTION 139

Drag and Drop Question

Match the Azure service to the correct description.

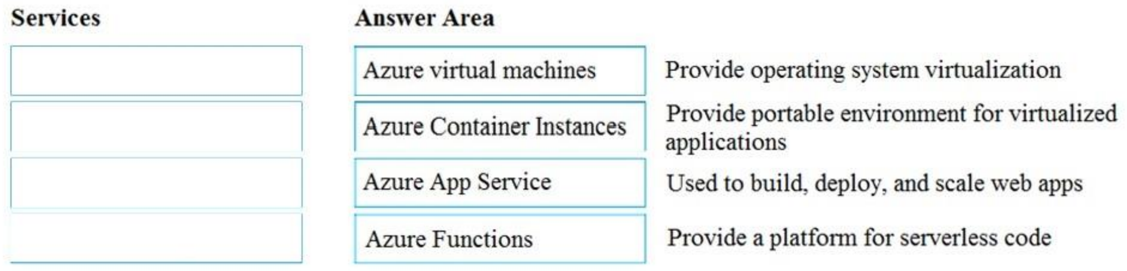
Instructions: To answer, drag the appropriate Azure service from the column on the left to its description on the right. Each service may be used once, more than once, or not at all.

NOTE: Each correct selection is worth one point.



Services	Answer Area	
Azure Functions		Provide operating system virtualization
Azure App Service		Provide portable environment for virtualized applications
Azure virtual machines		Used to build, deploy, and scale web apps
Azure Container Instances		Provide a platform for serverless code

Answer:



Services	Answer Area	
	Azure virtual machines	Provide operating system virtualization
	Azure Container Instances	Provide portable environment for virtualized applications
	Azure App Service	Used to build, deploy, and scale web apps
	Azure Functions	Provide a platform for serverless code

Explanation:
Box 1:
Azure virtual machines provide operation system virtualization. Azure Virtual Machines (VM) is one of several types of on-demand, scalable computing resources that Azure offers. Typically, you choose a VM when you need more control over the computing environment than the other choices offer.

Box 2:
Azure Container Instances provide portable environments for virtualized applications. Containers are becoming the preferred way to package, deploy, and manage cloud applications. Azure Container Instances offers the fastest and simplest way to run a container in Azure, without having to manage any virtual machines and without having to adopt a higher-level service. Containers offer significant startup benefits over virtual machines (VMs). Azure Container Instances can start containers in Azure in seconds, without the need to provision and manage VMs.

Box 3:
Azure App Service is used to build, deploy and scale web apps. 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.

Box 4:
Azure Functions provide a 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.

References:
https://docs.microsoft.com/en-us/azure/virtual-machines/windows/overview
https://docs.microsoft.com/en-us/azure/security/fundamentals/paas-applications-using-app-services
https://docs.microsoft.com/en-us/azure/azure-functions/
https://docs.microsoft.com/en-us/azure/container-instances/container-instances-overview

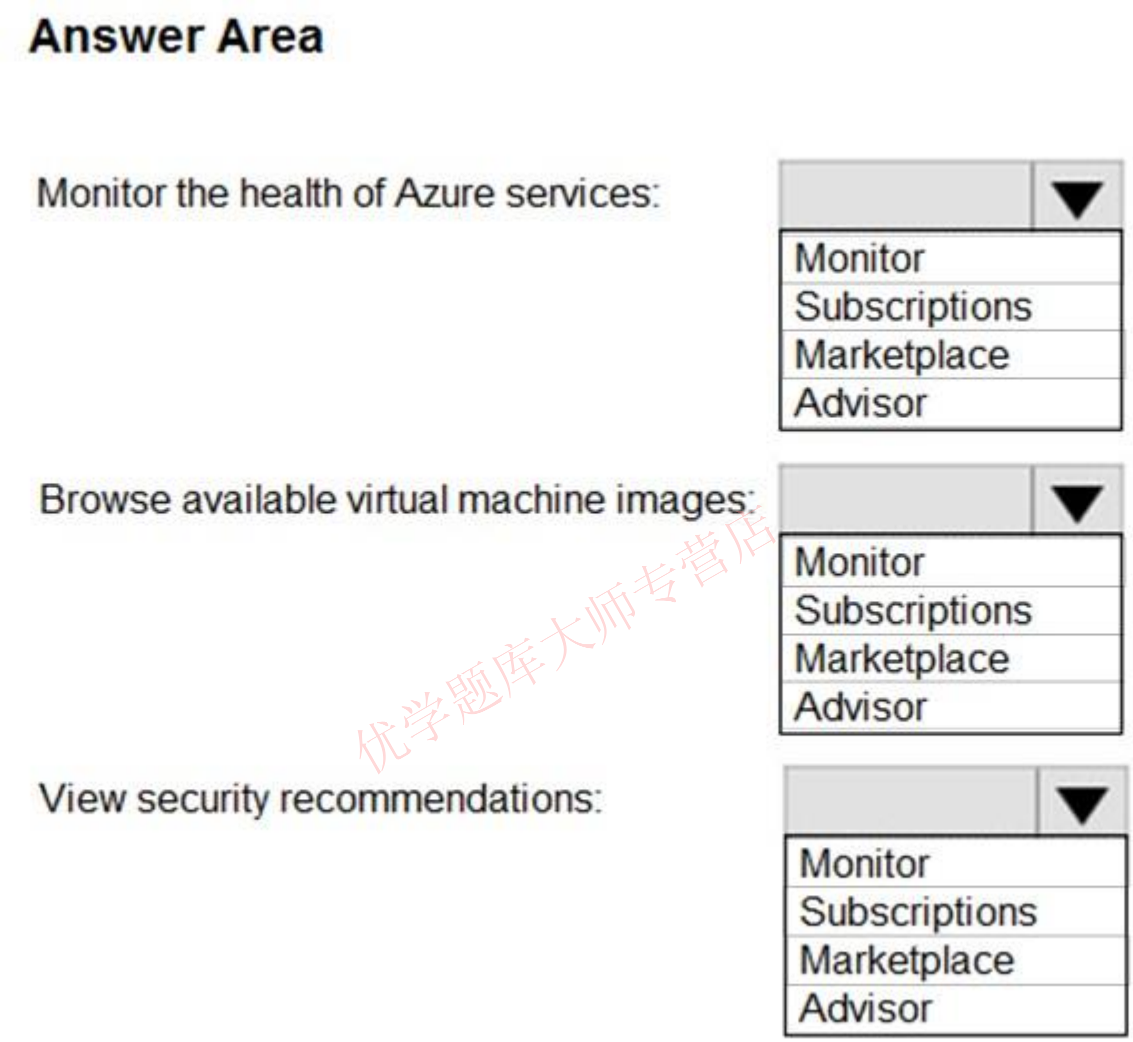
QUESTION 140
Hotspot Question

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.



Answer Area

Monitor the health of Azure services:

Monitor
Subscriptions
Marketplace
Advisor

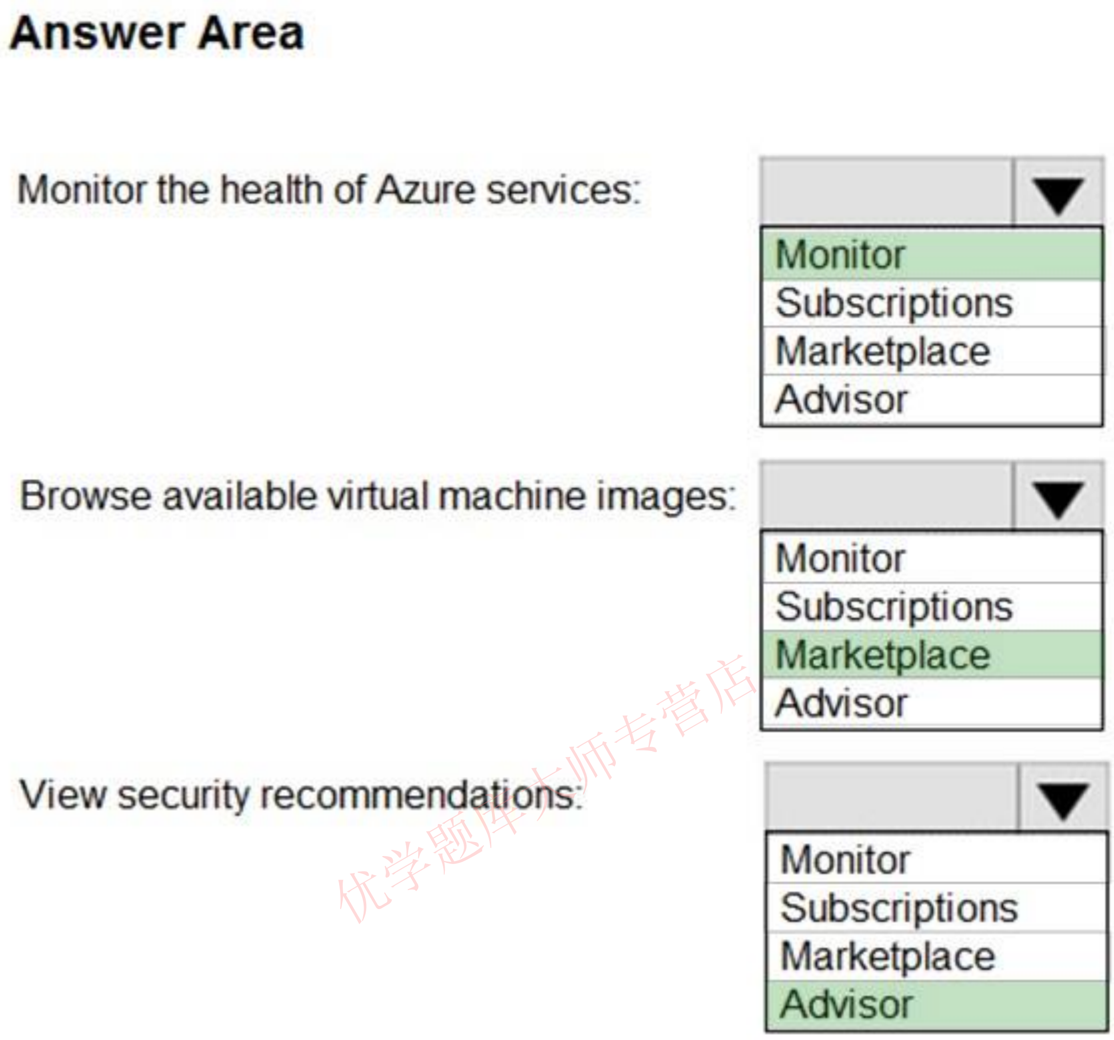
Browse available virtual machine images:

Monitor
Subscriptions
Marketplace
Advisor

View security recommendations:

Monitor
Subscriptions
Marketplace
Advisor

Answer:



Answer Area

Monitor the health of Azure services: [✓ Monitor] / Subscriptions / Marketplace / Advisor

Browse available virtual machine images: Monitor / Subscriptions / [✓ Marketplace] / Advisor

View security recommendations: Monitor / Subscriptions / Marketplace / [✓ Advisor]

Explanation:
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.

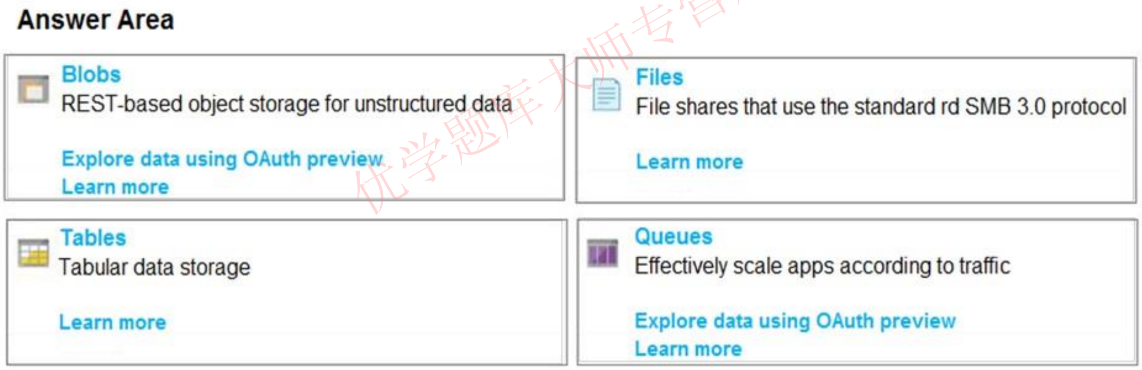
References:
https://docs.microsoft.com/en-us/azure/azure-monitor/overview
https://docs.microsoft.com/en-us/azure/marketplace/marketplace-faq-publisher-guide
https://docs.microsoft.com/en-us/azure/advisor/advisor-security-recommendations

QUESTION 141
Hotspot Question

You plan to create an Azure virtual machine.

You need to identify which storage service must be used to store the data disks of the virtual machine.

What should you identify? To answer, select the appropriate service in the answer area.



Answer Area

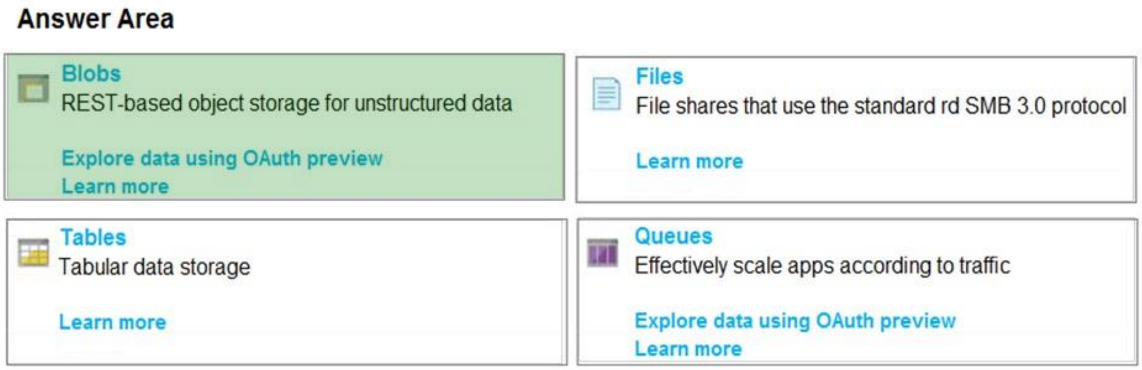
Blobs
REST-based object storage for unstructured data
Explore data using OAuth preview
Learn more

Files
File shares that use the standard rd SMB 3.0 protocol
Learn more

Tables
Tabular data storage
Learn more

Queues
Effectively scale apps according to traffic
Explore data using OAuth preview
Learn more

Answer:



Answer Area

Blobs
REST-based object storage for unstructured data
Explore data using OAuth preview
Learn more

Files
File shares that use the standard rd SMB 3.0 protocol
Learn more

Tables
Tabular data storage
Learn more

Queues
Effectively scale apps according to traffic
Explore data using OAuth preview
Learn more

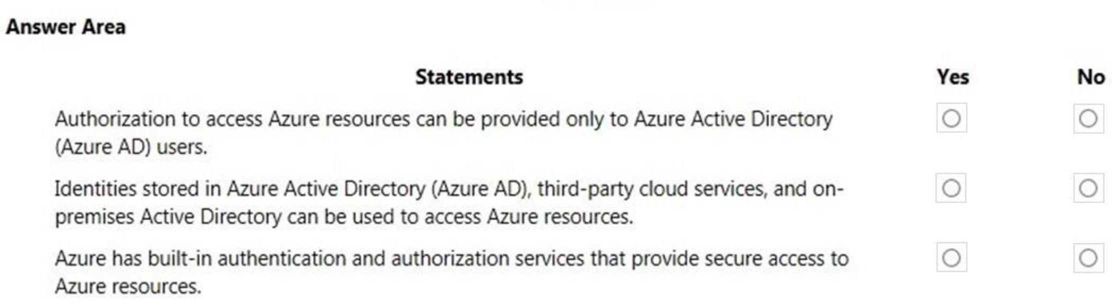
Explanation:
https://docs.microsoft.com/en-us/azure/virtual-machines/windows/managed-disks-overview

QUESTION 142

Hotspot Question

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

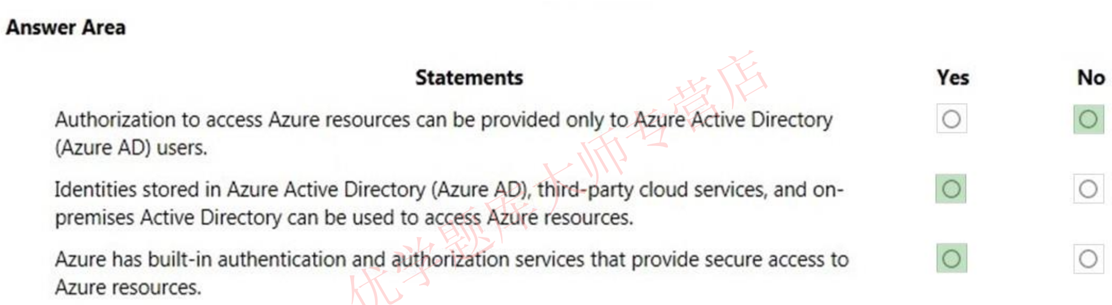
NOTE: Each correct selection is worth one point.



Answer Area

Statements	Yes	No
Authorization to access Azure resources can be provided only to Azure Active Directory (Azure AD) users.	○	○
Identities stored in Azure Active Directory (Azure AD), third-party cloud services, and on-premises Active Directory can be used to access Azure resources.	○	○
Azure has built-in authentication and authorization services that provide secure access to Azure resources.	○	○

Answer:



Answer Area

Statements	Yes	No
Authorization to access Azure resources can be provided only to Azure Active Directory (Azure AD) users.	○	[✓ ○]
Identities stored in Azure Active Directory (Azure AD), third-party cloud services, and on-premises Active Directory can be used to access Azure resources.	[✓ ○]	○
Azure has built-in authentication and authorization services that provide secure access to Azure resources.	[✓ ○]	○

Explanation:

Box 1: No

Authorization to access Azure resources can be provided by other identity providers by using federation. A commonly used example of this is to federate your on-premises Active Directory environment with Azure AD and use this federation for authentication and authorization.

Box 2: Yes

As described above, third-party cloud services and on-premises Active Directory can be used to access Azure resources. This is known as `federation'.

Federation is a collection of domains that have established trust. The level of trust may vary, but typically includes authentication and almost always includes authorization. A typical federation might include a number of organizations that have established trust for shared access to a set of resources.

Box 3: Yes

Azure Active Directory (Azure AD) is a centralized identity provider in the cloud. This is the primary built-in authentication and authorization service to provide secure access to Azure resources.

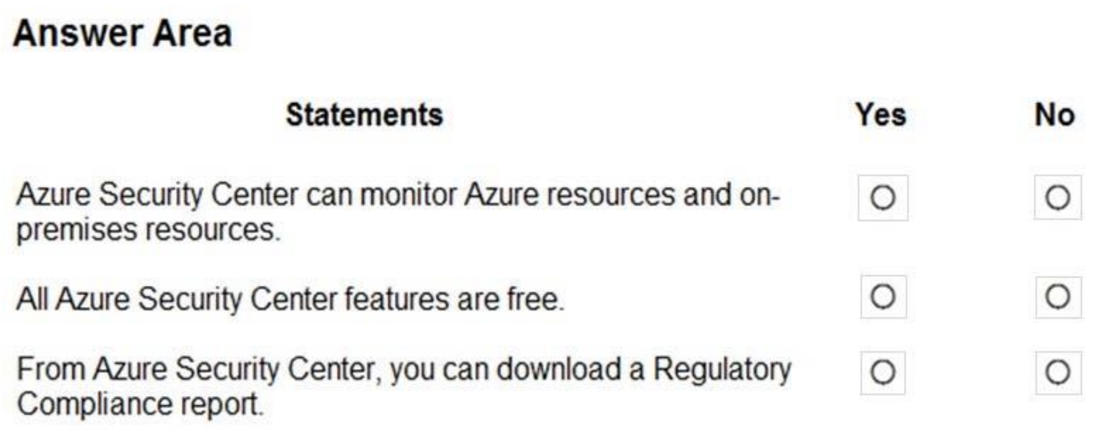
References:
https://docs.microsoft.com/en-us/azure/active-directory/hybrid/whatis-fed
https://docs.microsoft.com/en-us/azure/active-directory/develop/authentication-scenarios

QUESTION 143

Hotspot Question

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

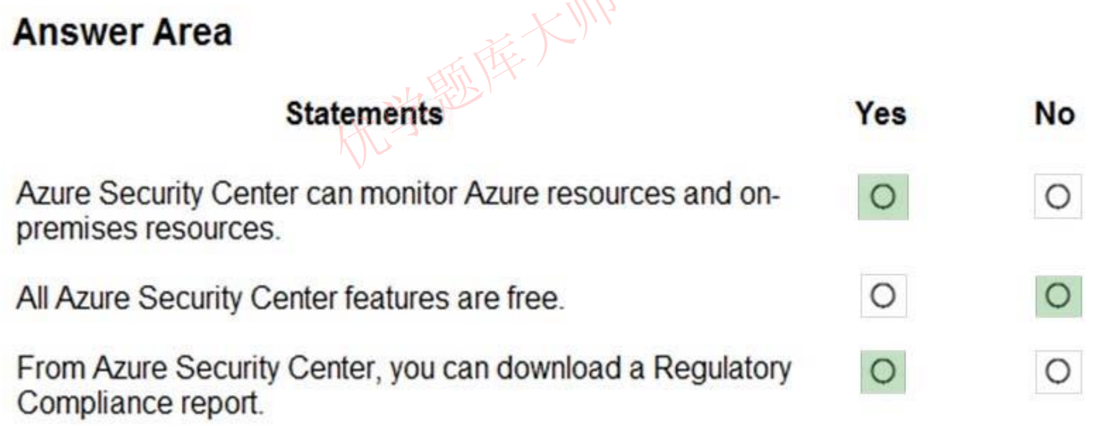
NOTE: Each correct selection is worth one point.



Answer Area

Statements	Yes	No
Azure Security Center can monitor Azure resources and on-premises resources.	○	○
All Azure Security Center features are free.	○	○
From Azure Security Center, you can download a Regulatory Compliance report.	○	○

Answer:



Answer Area

Statements	Yes	No
Azure Security Center can monitor Azure resources and on-premises resources.	[✓ ○]	○
All Azure Security Center features are free.	○	[✓ ○]
From Azure Security Center, you can download a Regulatory Compliance report.	[✓ ○]	○

Explanation:
Box 1: Yes
Azure Security Center is a unified infrastructure security management system that strengthens the security posture of your data centers, and provides advanced threat protection across your hybrid workloads in the cloud - whether they're in Azure or not - as well as on premises.

Box 2: No
Only two features: Continuous assessment and security recommendations, and Azure secure score, are free.

Box 3: Yes
The advanced monitoring capabilities in Security Center also let you track and manage compliance and governance over time. The overall compliance provides you with a measure of how much your subscriptions are compliant with policies associated with your workload.

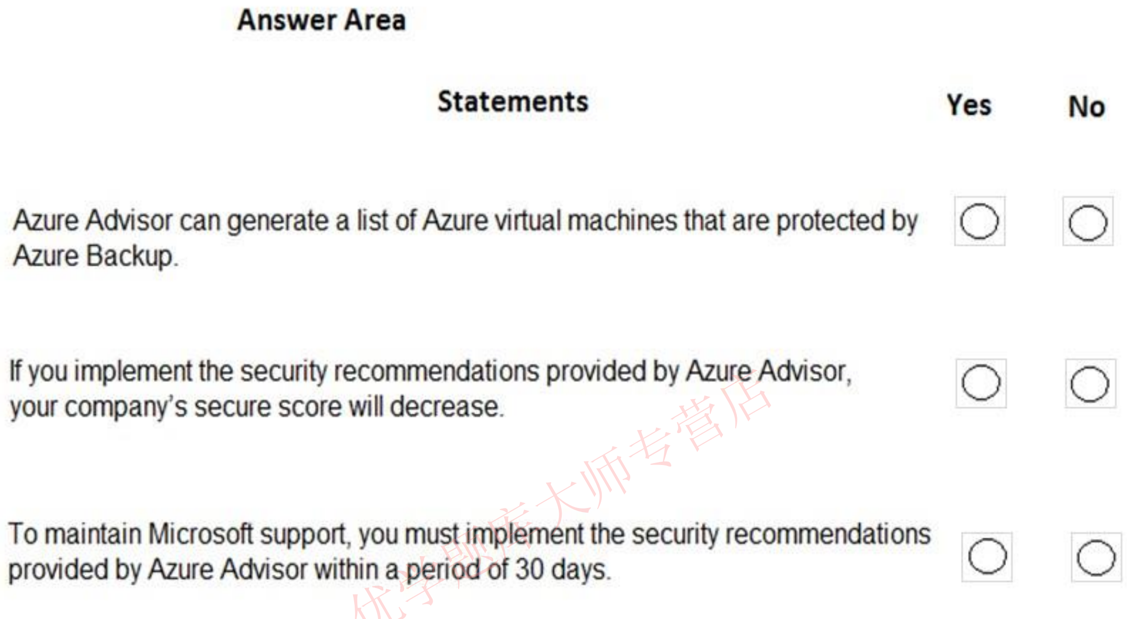
References:

https://docs.microsoft.com/en-us/azure/security-center/security-center-intro

QUESTION 144
Hotspot Question

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

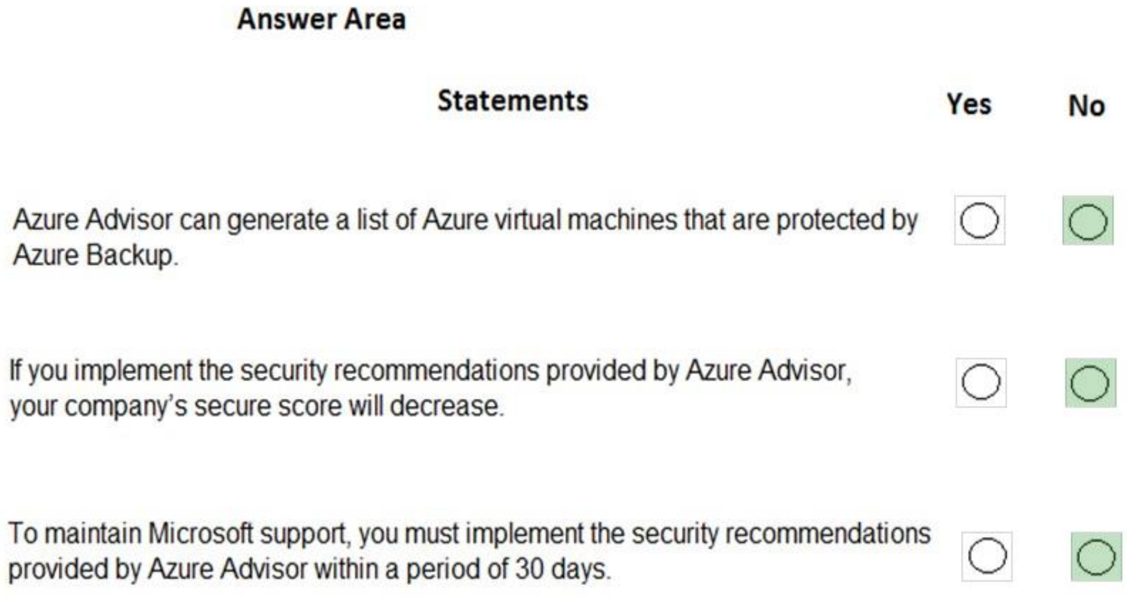
NOTE: Each correct selection is worth one point.



Answer Area

Statements	Yes	No
Azure Advisor can generate a list of Azure virtual machines that are protected by Azure Backup.	○	○
If you implement the security recommendations provided by Azure Advisor, your company's secure score will decrease.	○	○
To maintain Microsoft support, you must implement the security recommendations provided by Azure Advisor within a period of 30 days.	○	○

Answer:



Answer Area

Statements	Yes	No
Azure Advisor can generate a list of Azure virtual machines that are protected by Azure Backup.	○	●
If you implement the security recommendations provided by Azure Advisor, your company's secure score will decrease.	○	●
To maintain Microsoft support, you must implement the security recommendations provided by Azure Advisor within a period of 30 days.	○	●

Explanation:
Box 1: No

Azure Advisor does not generate a list of virtual machines that ARE protected by Azure Backup. Azure Advisor does however, generate a list of virtual that ARE NOT protected by Azure Backup. You can view a list of virtual machines that are protected by Azure Backup by viewing the Protected Items in the Azure Recovery Services Vault.

Box 2: No
If you implement the security recommendations, you company's score will increase, not decrease.

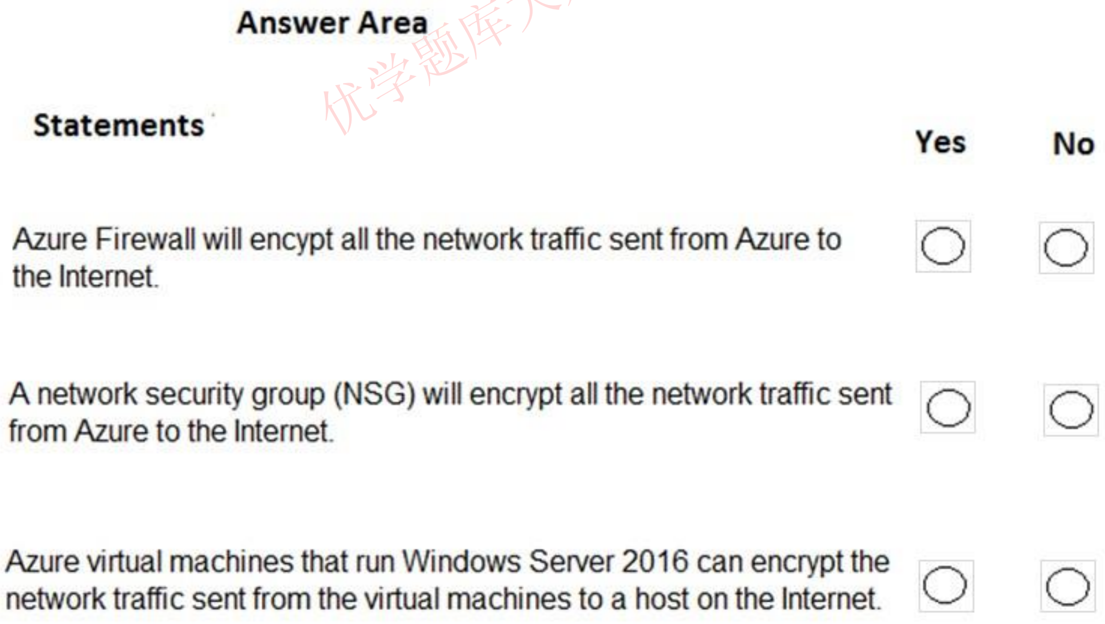
Box 3: No
There is no requirement to implement the security recommendations provided by Azure Advisor. The recommendations are just that, `recommendations'. They are not `requirements'.

References:
https://azure.microsoft.com/en-gb/blog/advisor-backup-recommendations/
https://docs.microsoft.com/en-us/azure/advisor/advisor-overview
https://microsoft.github.io/AzureTipsAndTricks/blog/tip173.html

QUESTION 145
Hotspot Question

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

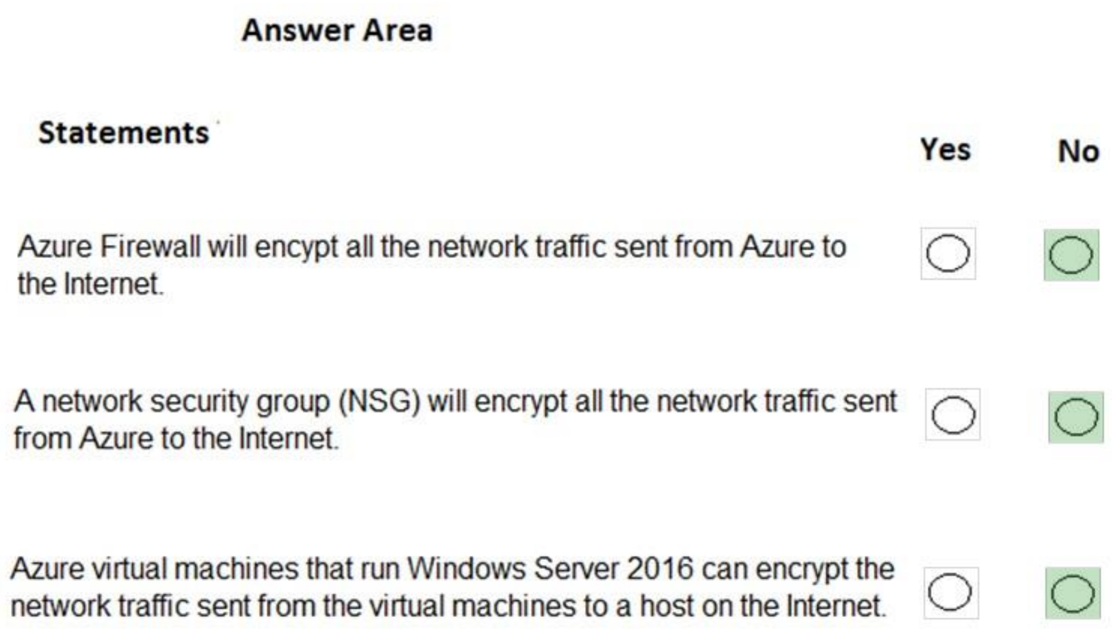
NOTE: Each correct selection is worth one point.



Answer Area

Statements	Yes	No
Azure Firewall will encypt all the network traffic sent from Azure to the Internet.	○	○
A network security group (NSG) will encrypt all the network traffic sent from Azure to the Internet.	○	○
Azure virtual machines that run Windows Server 2016 can encrypt the network traffic sent from the virtual machines to a host on the Internet.	○	○

Answer:



Answer Area

Statements	Yes	No
Azure Firewall will encypt all the network traffic sent from Azure to the Internet.	○	●
A network security group (NSG) will encrypt all the network traffic sent from Azure to the Internet.	○	●
Azure virtual machines that run Windows Server 2016 can encrypt the network traffic sent from the virtual machines to a host on the Internet.	○	●

Explanation:
Box 1: No
Azure firewall does not encrypt network traffic. It is used to block or allow traffic based on source/destination IP address, source/destination ports and protocol.

Box 2: No
A network security group does not encrypt network traffic. It works in a similar way to a firewall in that it is used to block or allow traffic based on source/destination IP address, source/destination ports and protocol.

Box 3: No
The question is rather vague as it would depend on the configuration of the host on the Internet. Windows Server does come with a VPN client and it also supports other encryption methods such IPSec encryption or SSL/TLS so it could encrypt the traffic if the Internet host was configured to require or accept the encryption. However, the VM could not encrypt the traffic to an Internet host that is not configured to require the encryption.

Reference:
https://docs.microsoft.com/en-us/azure/security/azure-security-data-encryption-best-practices#protect-data-in-transit

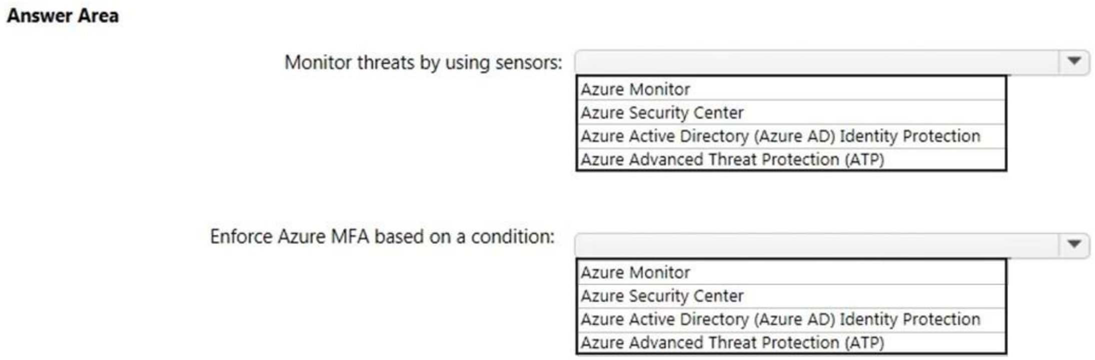
QUESTION 146
Hotspot Question

You plan to implement several security services for an Azure environment.
You need to identify which Azure services must be used to meet the following security requirements:

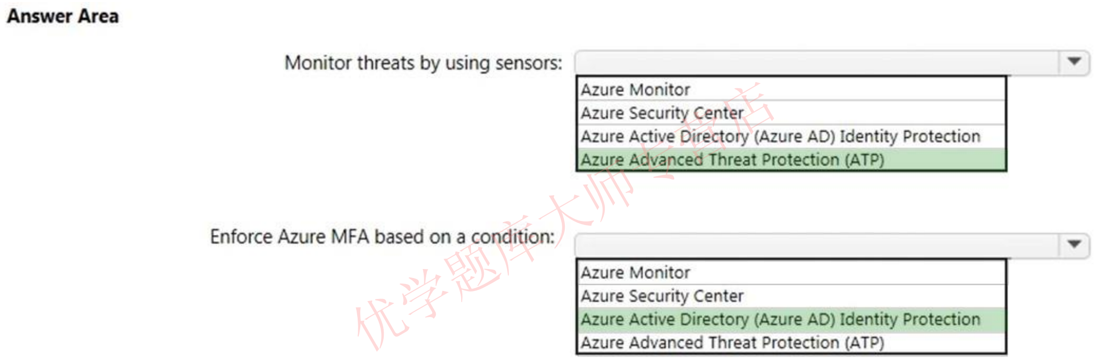
```
- Monitor threats by using sensors
- Enforce azure Multi-Factor Authentication (MFA) based on a condition
```

Which Azure service should you identify for each requirement? To answer, select the appropriate option in the answer area.

NOTE: Each correct selection is worth one point.


Answer Area
Monitor threats by using sensors:
Azure Monitor
Azure Security Center
Azure Active Directory (Azure AD) Identity Protection
Azure Advanced Threat Protection (ATP)
Enforce Azure MFA based on a condition:
Azure Monitor
Azure Security Center
Azure Active Directory (Azure AD) Identity Protection
Azure Advanced Threat Protection (ATP)

Answer:


Answer Area
Monitor threats by using sensors:
Azure Monitor
Azure Security Center
Azure Active Directory (Azure AD) Identity Protection
Azure Advanced Threat Protection (ATP)
Enforce Azure MFA based on a condition:
Azure Monitor
Azure Security Center
Azure Active Directory (Azure AD) Identity Protection
Azure Advanced Threat Protection (ATP)

Explanation:
Box 1:
To monitor threats by using sensors, you would use Azure Advanced Threat Protection (ATP). Azure Advanced Threat Protection (ATP) is a cloud-based security solution that leverages your on- premises Active Directory signals to identify, detect, and investigate advanced threats, compromised identities, and malicious insider actions directed at your organization. Sensors are software packages you install on your servers to upload information to Azure ATP.

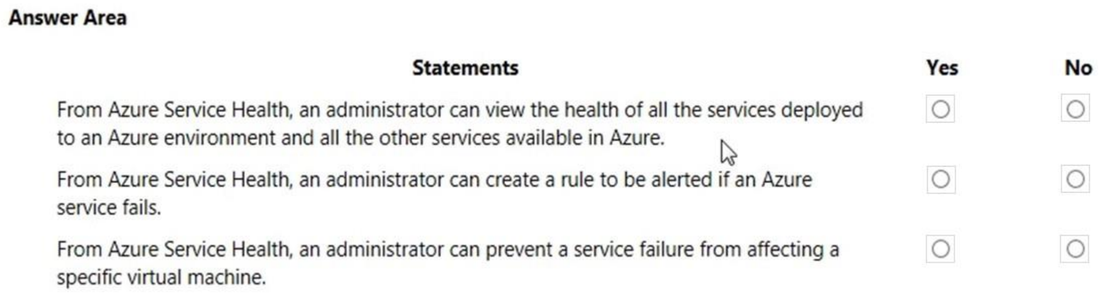
Box 2:
To enforce MFA based on a condition, you would use Azure Active Directory Identity Protection. Azure AD Identity Protection helps you manage the roll-out of Azure Multi-Factor Authentication (MFA) registration by configuring a Conditional Access policy to require MFA registration no matter what modern authentication app you are signing in to.

References:
https://docs.microsoft.com/en-us/azure-advanced-threat-protection/what-is-atp
https://docs.microsoft.com/en-us/azure/active-directory/identity-protection/howto-identity-protection-configure-mfa-policy

QUESTION 147
Hotspot Question

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

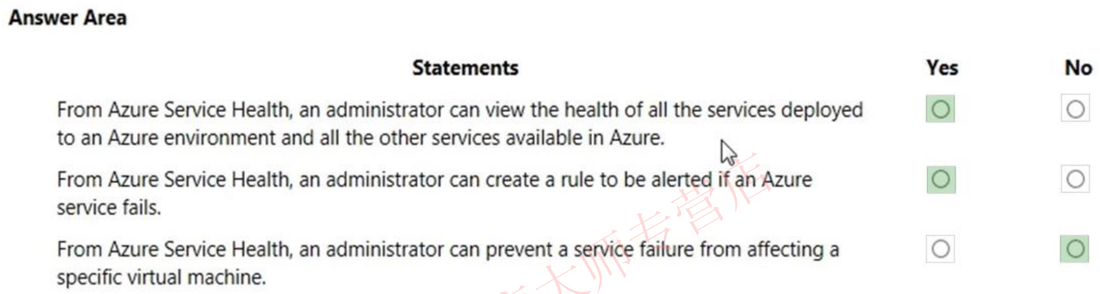
NOTE: Each correct selection is worth one point.



Answer Area

Statements	Yes	No
From Azure Service Health, an administrator can view the health of all the services deployed to an Azure environment and all the other services available in Azure.	○	○
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 from affecting a specific virtual machine.	○	○

Answer:



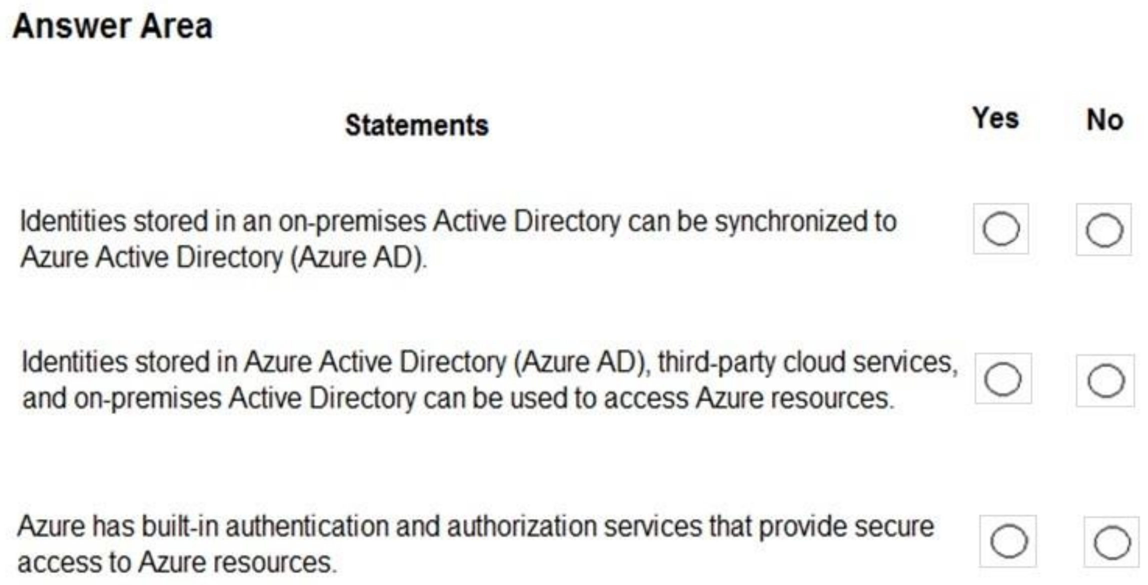
Answer Area

Statements	Yes	No
From Azure Service Health, an administrator can view the health of all the services deployed to an Azure environment and all the other services available in Azure.	●	○
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 from affecting a specific virtual machine.	○	●

QUESTION 148
Hotspot Question

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

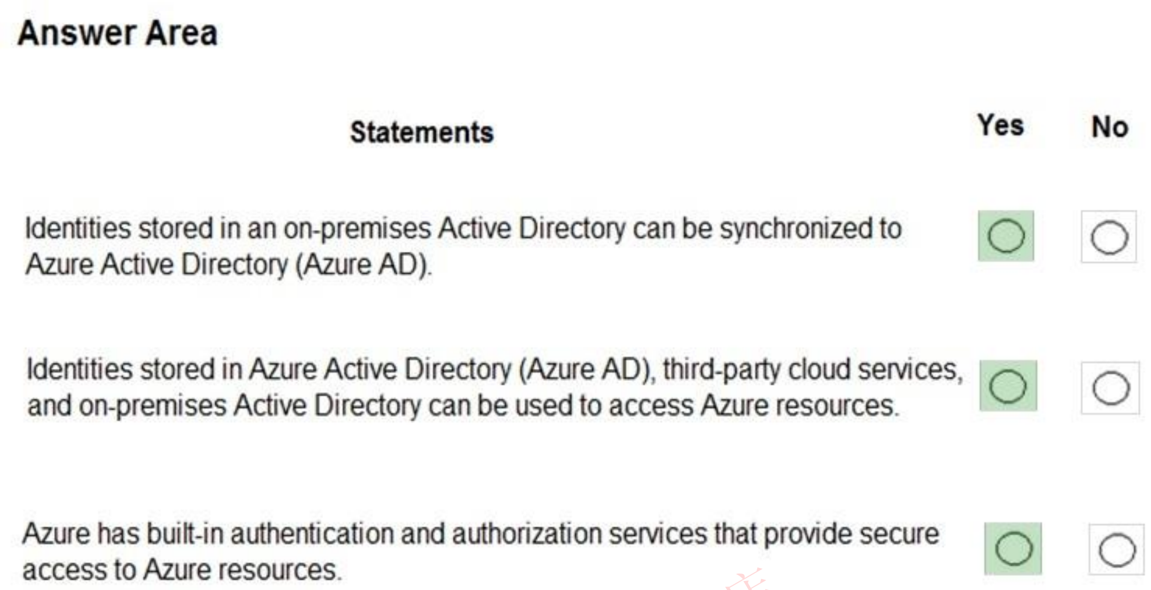
NOTE: Each correct selection is worth one point.



Answer Area

Statements	Yes	No
Identities stored in an on-premises Active Directory can be synchronized to Azure Active Directory (Azure AD).	○	○
Identities stored in Azure Active Directory (Azure AD), third-party cloud services, and on-premises Active Directory can be used to access Azure resources.	○	○
Azure has built-in authentication and authorization services that provide secure access to Azure resources.	○	○

Answer:



Answer Area

Statements	Yes	No
Identities stored in an on-premises Active Directory can be synchronized to Azure Active Directory (Azure AD).	●	○
Identities stored in Azure Active Directory (Azure AD), third-party cloud services, and on-premises Active Directory can be used to access Azure resources.	●	○
Azure has built-in authentication and authorization services that provide secure access to Azure resources.	●	○

Explanation:
Box 1: Yes
The tool you would use to sync the accounts is Azure AD Connect. The Azure Active Directory Connect synchronization services (Azure AD Connect sync) is a main component of Azure AD Connect. It takes care of all the operations that are related to synchronize identity data between your on-premises environment and Azure AD.

Box 2: Yes
As described above, third-party cloud services and on-premises Active Directory can be used to access Azure resources. This is known as `federation'.
Federation is a collection of domains that have established trust. The level of trust may vary, but typically includes authentication and almost always includes authorization. A typical federation might include a number of organizations that have established trust for shared access to a set of resources.

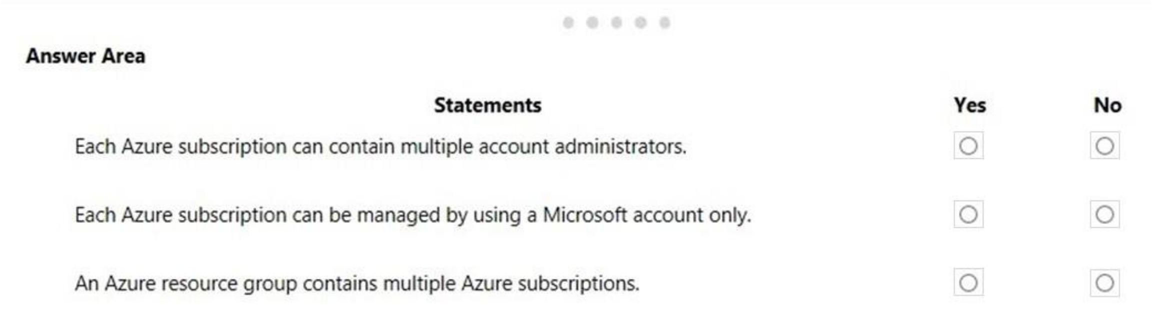
Box 3: Yes
Azure Active Directory (Azure AD) is a centralized identity provider in the cloud. This is the primary built-in authentication and authorization service to provide secure access to Azure resources.

References:
https://docs.microsoft.com/en-us/azure/active-directory/hybrid/how-to-connect-sync-whatis
https://docs.microsoft.com/en-us/azure/active-directory/hybrid/whatis-fed
https://docs.microsoft.com/en-us/azure/active-directory/develop/authentication-scenarios

QUESTION 149
Hotspot Question

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

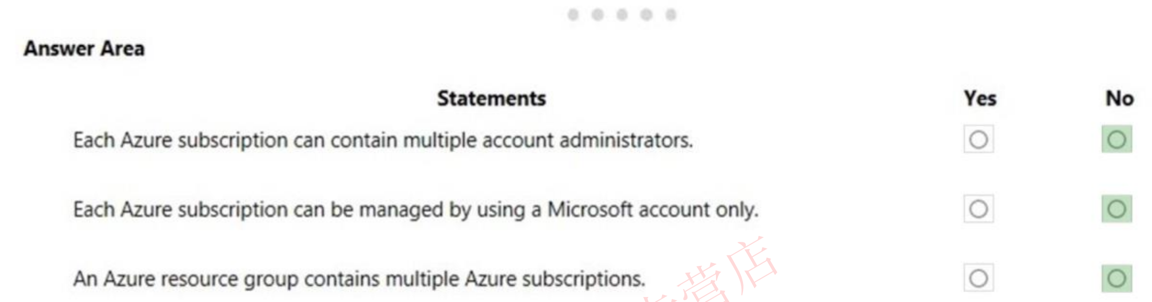
NOTE: Each correct selection is worth one point.



Answer Area

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

Answer:



Answer Area

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

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Explanation:
Box 1: No
The Account Administrator is the subscription owner. Conceptually, this is the billing owner of the subscription. Every Azure subscription has one Account Administrator, which defaults to the person who created the subscription.

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.

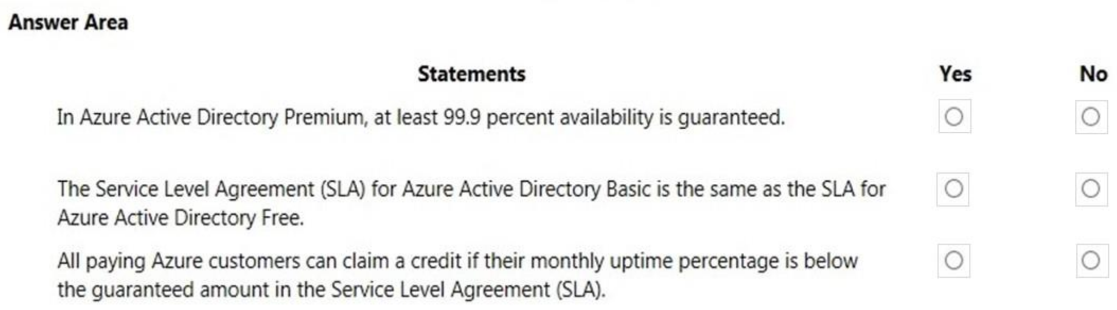
Box 3: No
Resource groups are logical containers for Azure resources. However, resource groups do not contain subscriptions. Subscriptions contain resource groups.

References:
https://docs.microsoft.com/en-us/office365/enterprise/subscriptions-licenses-accounts-and-tenants-for-microsoft-cloud-offerings

QUESTION 150
Hotspot Question

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

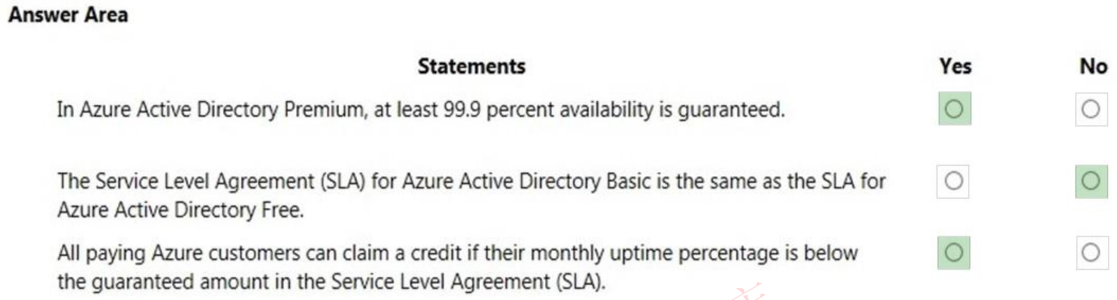
NOTE: Each correct selection is worth one point.



Answer Area

Statements	Yes	No
In Azure Active Directory Premium, at least 99.9 percent availability is guaranteed.	○	○
The Service Level Agreement (SLA) for Azure Active Directory Basic is the same as the SLA for Azure Active Directory Free.	○	○
All paying Azure customers can claim a credit if their monthly uptime percentage is below the guaranteed amount in the Service Level Agreement (SLA).	○	○

Answer:



Answer Area

Statements	Yes	No
In Azure Active Directory Premium, at least 99.9 percent availability is guaranteed.	●	○
The Service Level Agreement (SLA) for Azure Active Directory Basic is the same as the SLA for Azure Active Directory Free.	○	●
All paying Azure customers can claim a credit if their monthly uptime percentage is below the guaranteed amount in the Service Level Agreement (SLA).	●	○

Explanation:

Box 1: Yes

Microsoft guarantee at least 99.9% availability of the Azure Active Directory Premium edition services. The services are considered available in the following scenarios:

- Users are able to login to the service, login to the Access Panel, access applications on the Access Panel and reset passwords.
- IT administrators are able to create, read, write and delete entries in the directory or provision or de-provision users to applications in the directory.

Box 2: No

No SLA is provided for the Free tier of Azure Active Directory.

Box 3: Yes

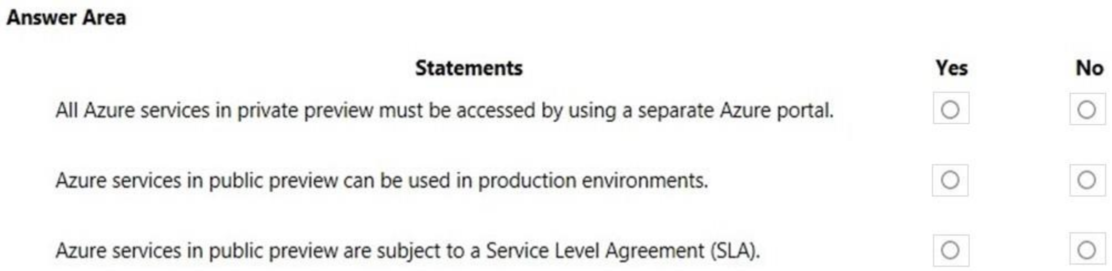
You can claim credit if the availability falls below the SLA. The amount of credit depends on the availability. For example: You can claim 25% credit if the availability is less than 99.9%, 50% credit for less than 99% and 100% for less than 95% availability.

QUESTION 151

Hotspot Question

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

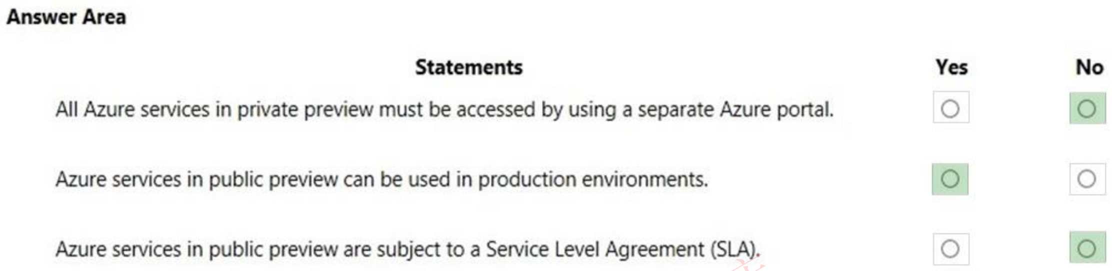
NOTE: Each correct selection is worth one point.



Answer Area

Statements	Yes	No
All Azure services in private preview must be accessed by using a separate Azure portal.	○	○
Azure services in public preview can be used in production environments.	○	○
Azure services in public preview are subject to a Service Level Agreement (SLA).	○	○

Answer:



Answer Area

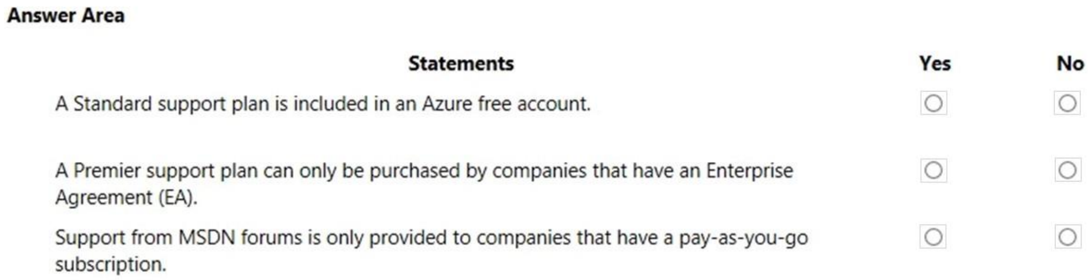
Statements	Yes	No
All Azure services in private preview must be accessed by using a separate Azure portal.	○	●
Azure services in public preview can be used in production environments.	●	○
Azure services in public preview are subject to a Service Level Agreement (SLA).	○	●

QUESTION 152

Hotspot Question

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

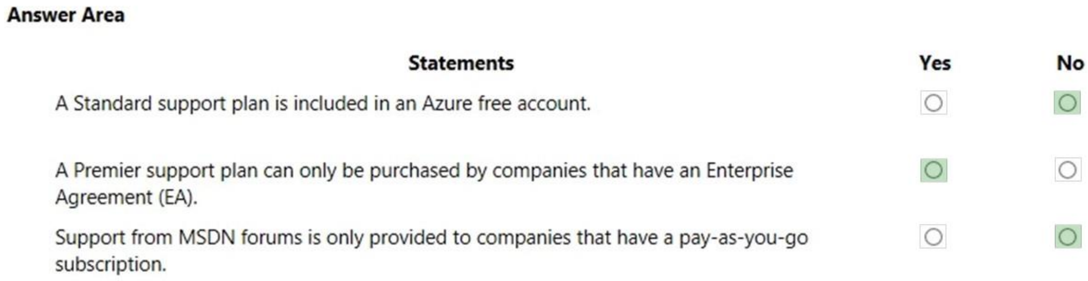
NOTE: Each correct selection is worth one point.



Answer Area

Statements	Yes	No
A Standard support plan is included in an Azure free account.	○	○
A Premier support plan can only be purchased by companies that have an Enterprise Agreement (EA).	○	○
Support from MSDN forums is only provided to companies that have a pay-as-you-go subscription.	○	○

Answer:



Answer Area

Statements	Yes	No
A Standard support plan is included in an Azure free account.	○	●
A Premier support plan can only be purchased by companies that have an Enterprise Agreement (EA).	●	○
Support from MSDN forums is only provided to companies that have a pay-as-you-go subscription.	○	●

Explanation:
Box 1: No
An Azure free account comes with a `basic' support plan, not a `standard' support plan.

Box 2: Yes
You can purchase the Professional Direct, Standard, and Developer support plans with the Microsoft Customer Agreement. You can also purchase the Professional and Standard support plans with the Enterprise Agreement.

Box 3: No
Users with any type of Azure subscription (pay-as-you-go, Enterprise Agreement, Microsoft Customer Agreement etc.) can get support from the MSDN forums.

References:
https://azure.microsoft.com/en-us/support/plans/

QUESTION 153
Can you identify from below a Setup that represents a hybrid cloud model?

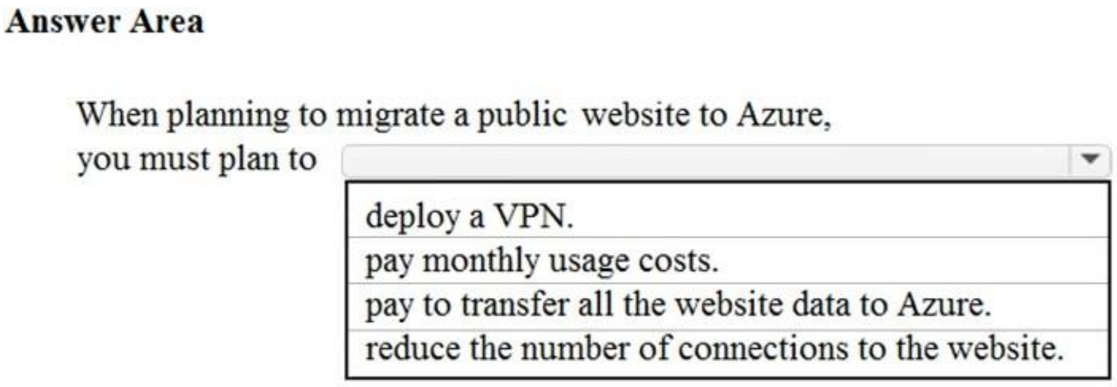
A. An Azure Web Application Program interface that connects to an on-premises SQL Server database at an on-premises private datacenter
B. An Azure Web job that makes calls to the Azure Representational state Transfer (REST) application program interface
C. An Azure web Application that connects to an azure SQL Database
D. An Azure function crawls the web for trending news

Answer: A

QUESTION 154
Hotspot Question

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

NOTE: Each correct selection is worth one point.

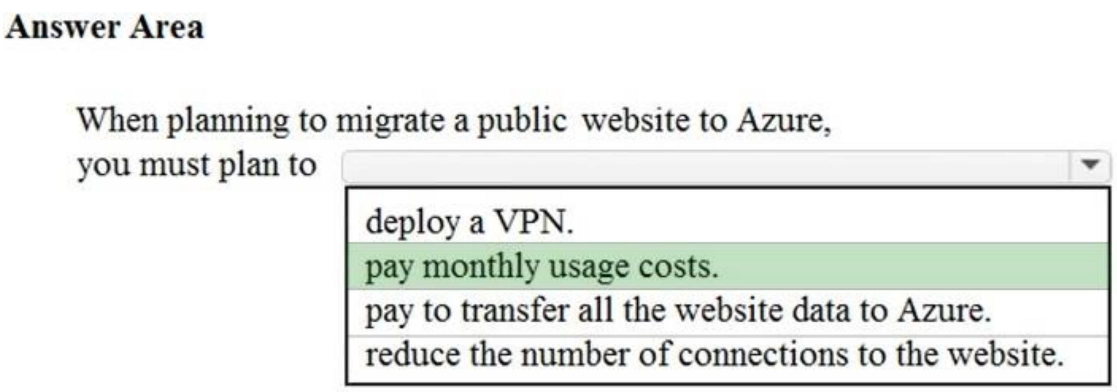


Answer Area

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.

Answer:



Answer Area

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

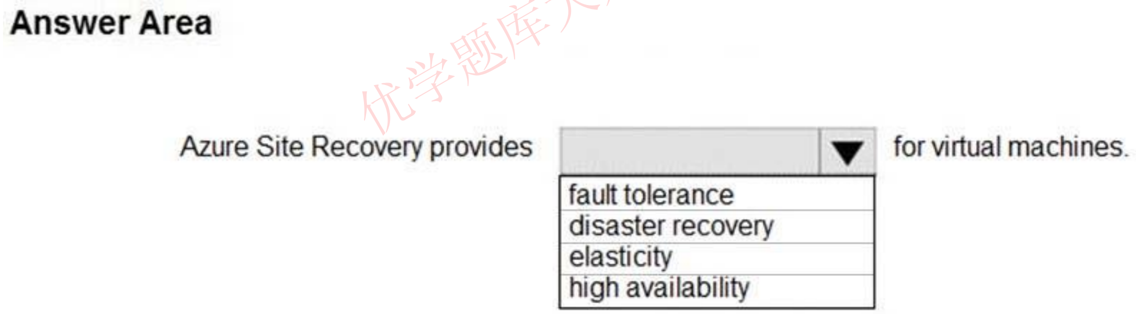
- deploy a VPN.
- [✓ pay monthly usage costs.]
- pay to transfer all the website data to Azure.
- reduce the number of connections to the website.

Explanation:
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 155
Hotspot Question

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

NOTE: Each correct selection is worth one point.

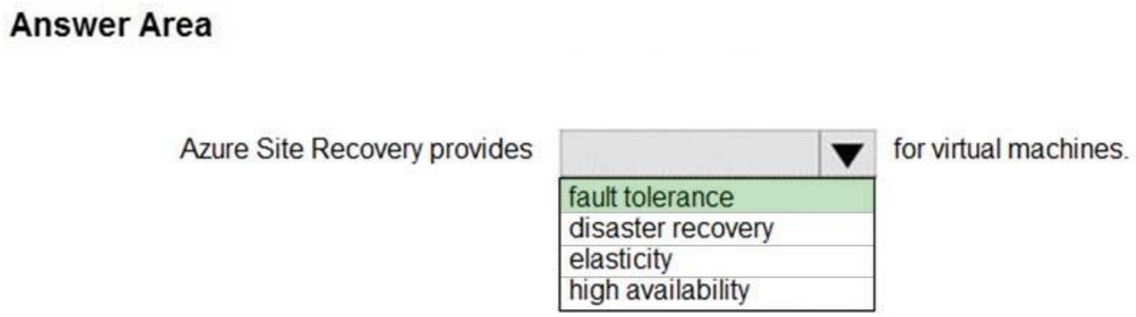


Answer Area

Azure Site Recovery provides ▼ for virtual machines.

- fault tolerance
- disaster recovery
- elasticity
- high availability

Answer:



Answer Area

Azure Site Recovery provides ▼ for virtual machines.

- [✓ fault tolerance]
- disaster recovery
- elasticity
- high availability

Explanation:
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 156
This question requires that you evaluate the underlined text to determine if it is correct.

You deploy an Azure resource. The resource becomes unavailable for an extended period due to a service outage. Microsoft will automatically refund your bank account.

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. automatically migrate the resource to another subscription
C. automatically credit your account
D. send you a coupon code that you can redeem for Azure credits

Answer: C

QUESTION 157
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
B. multiple Azure Active Directory (Azure AD) directories
C. multiple regions
D. multiple resource groups

Answer: AD
Explanation:
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

QUESTION 158
This question requires that you evaluate the underlined text to determine if it is correct.

If Microsoft plans to end support for an Azure service that does NOT have a successor service, Microsoft will provide notification at least 12 months before.

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.

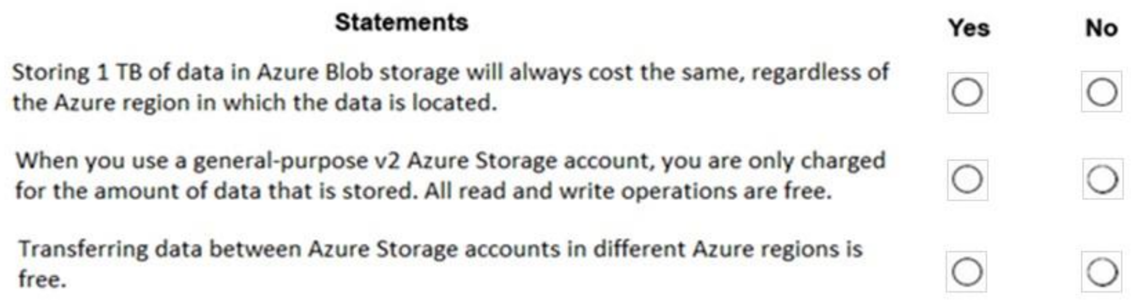
A. No change is needed.
B. 6 months
C. 90 days
D. 30 days

Answer: A
Explanation:
The Modern Lifecycle Policy covers products and services that are serviced and supported continuously.
For products governed by the Modern Lifecycle Policy, Microsoft will provide a minimum of 12 months' notification prior to ending support if no successor product or service is offered--excluding free services or preview releases.
Reference:
https://support.microsoft.com/en-us/help/30881

QUESTION 159
Hotspot Question

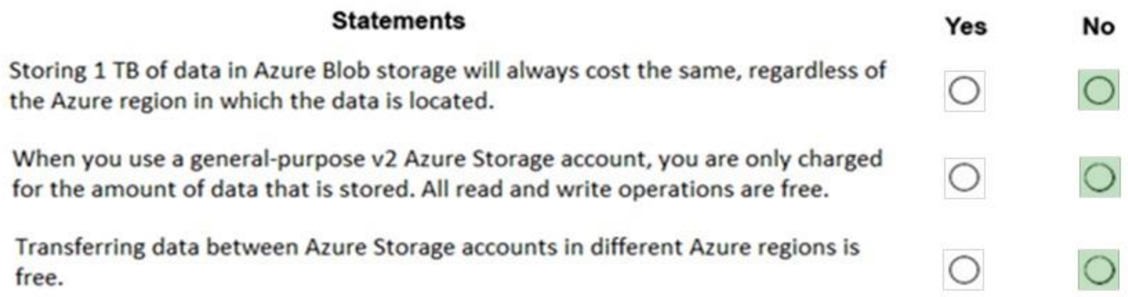
For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.



Statements	Yes	No
Storing 1 TB of data in Azure Blob storage will always cost the same, regardless of the Azure region in which the data is located.	○	○
When you use a general-purpose v2 Azure Storage account, you are only charged for the amount of data that is stored. All read and write operations are free.	○	○
Transferring data between Azure Storage accounts in different Azure regions is free.	○	○

Answer:



Statements	Yes	No
Storing 1 TB of data in Azure Blob storage will always cost the same, regardless of the Azure region in which the data is located.	○	●
When you use a general-purpose v2 Azure Storage account, you are only charged for the amount of data that is stored. All read and write operations are free.	○	●
Transferring data between Azure Storage accounts in different Azure regions is free.	○	●

Explanation:
Box 1: No
The price of Azure storage varies by region. If you use the Azure storage pricing page, you can select different regions and see how the price changes per region.

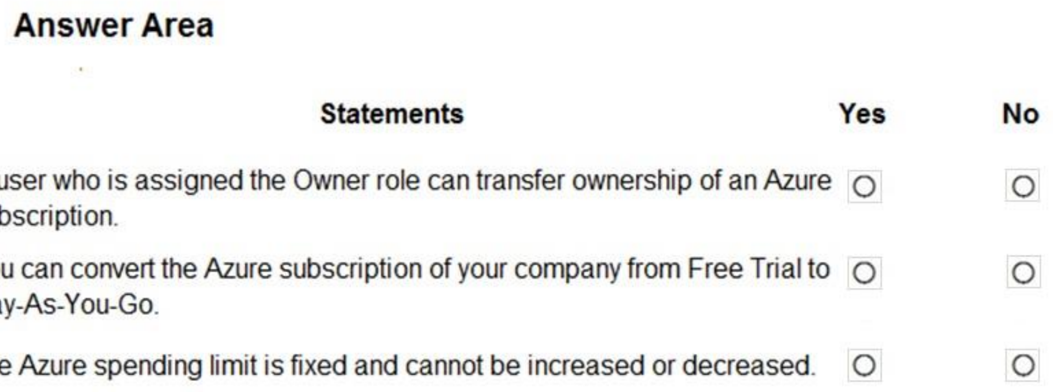
Box 2: No
You are charged for read and write operations in general-purpose v2 storage accounts.

Box 3: No
You would be charge for the read operations of the source storage account and write operations in the destination storage account.

https://docs.microsoft.com/en-us/azure/storage/common/storage-account-overview

QUESTION 160
Hotspot Question

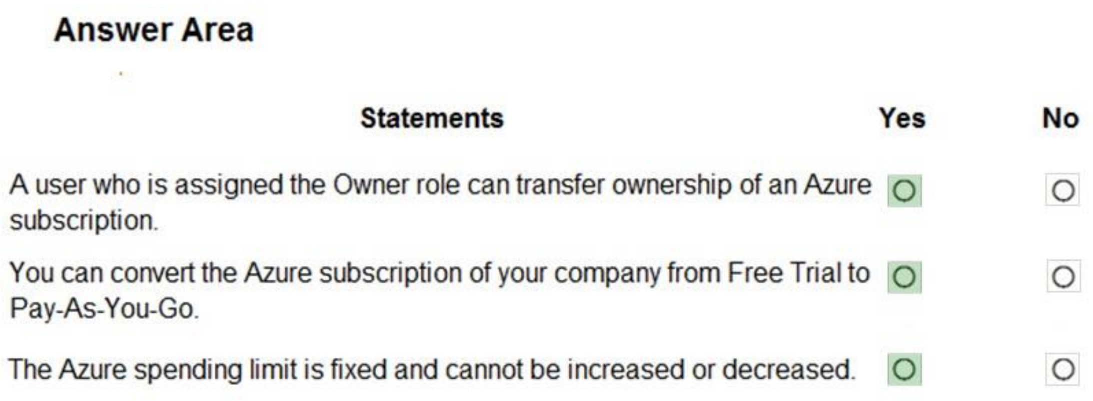
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.



Answer Area

Statements	Yes	No
A user who is assigned the Owner role can transfer ownership of an Azure subscription.	○	○
You can convert the Azure subscription of your company from Free Trial to Pay-As-You-Go.	○	○
The Azure spending limit is fixed and cannot be increased or decreased.	○	○

Answer:



Answer Area

Statements	Yes	No
A user who is assigned the Owner role can transfer ownership of an Azure subscription.	○	○
You can convert the Azure subscription of your company from Free Trial to Pay-As-You-Go.	○	○
The Azure spending limit is fixed and cannot be increased or decreased.	○	○

Explanation:
Box 1: No
You need to be an administrator of the billing account that has the subscription to be able to transfer the subscription. This could be a Billing Administrator or Global Administrator. A subscription owner can manage all resources and permissions within the subscription but cannot transfer ownership of the subscription.

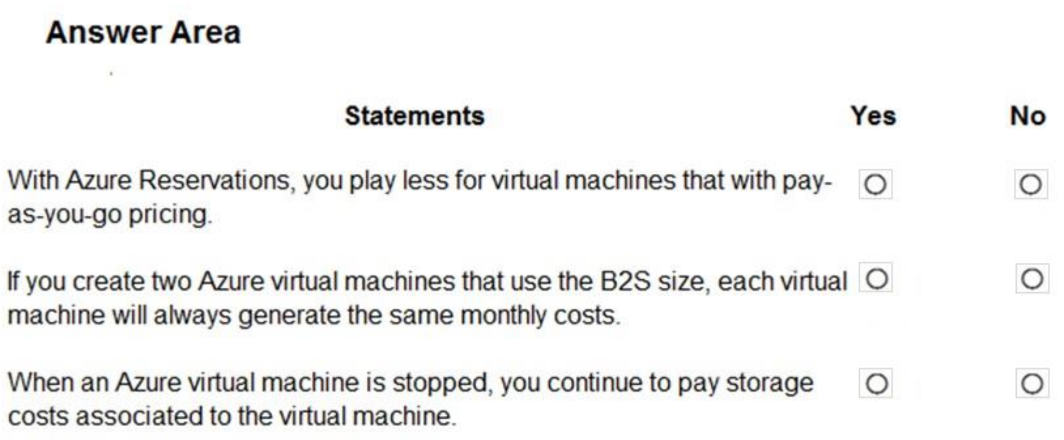
Box 2: Yes
You can convert a free trial subscription to Pay-As-You-Go. This is common practice for people who wish to continue using the Azure services when the free trial period expires.

Box 3: Yes
You can remove the spending limit, but you can't increase or decrease it. The spending limit in Azure prevents spending over your credit amount. All new customers who sign up for an Azure free account or subscription types that include credits over multiple months have the spending limit turned on by default. The spending limit is equal to the amount of credit and it can't be changed. For example, if you signed up for Azure free account, your spending limit is $200 and you can't change it to $500. However, you can remove the spending limit. So, you either have no limit, or you have a limit equal to the amount of credit.

Reference:
https://docs.microsoft.com/en-us/azure/billing/billing-add-change-azure-subscription-administrator
https://docs.microsoft.com/en-us/azure/billing/billing-upgrade-azure-subscription
https://docs.microsoft.com/en-us/azure/billing/billing-spending-limit

QUESTION 161
Hotspot Question

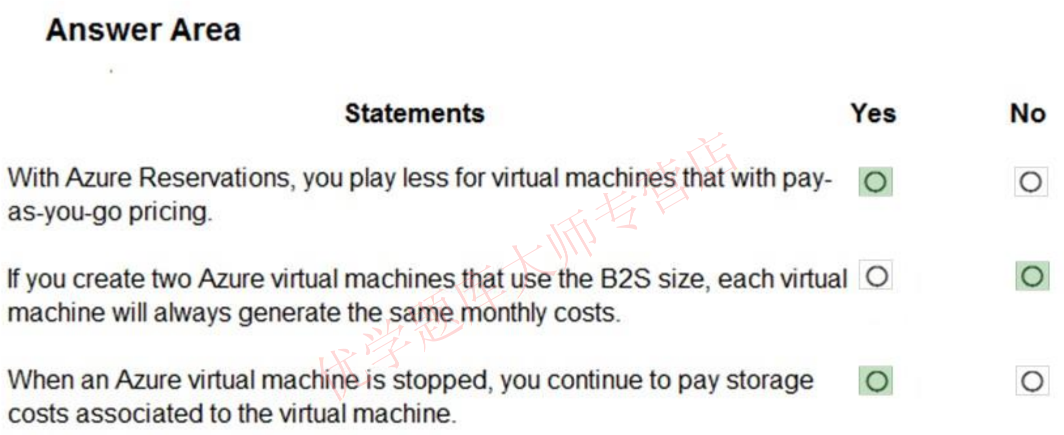
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.



Answer Area

Statements	Yes	No
With Azure Reservations, you play less for virtual machines that with pay-as-you-go pricing.	○	○
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.	○	○

Answer:



Answer Area

Statements	Yes	No
With Azure Reservations, you play less for virtual machines that with pay-as-you-go pricing.	●	○
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.	●	○

Explanation:
Box 1: Yes
A reservation is where you commit to pay for a resource (for example a virtual machine) for one or three years. This gives you a discounted price on the resource for the reservation period.

Box 2: No
There are other factors that influence the cost of a virtual machine such as the virtual hard disks attached to the virtual machine. You could have multiple virtual machines with the same `size' (B2S in this case) but with different virtual hard disk configurations.

Box 3: Yes
When a virtual machine is stopped (deallocated), the virtual machine is unloaded/dismounted from the physical server in Azure. In this state, you are not charged for the virtual machine itself. However, you are still charged for the storage costs of the virtual hard disks attached to the virtual machine.

If the virtual machine is stopped but not deallocated (this happens if you shut down the virtual machine from the operating system of the virtual machine), the virtual machine is still mounted on the physical server in Azure and you are charged for the virtual machine itself as well as the storage costs. To ensure that a virtual machine is `stopped (deallocated)', you need to stop the virtual machine in the Azure portal.

Reference:

https://azure.microsoft.com/en-us/reservations/
https://docs.microsoft.com/en-us/azure/virtual-machines/linux/b-series-burstable
https://blogs.technet.microsoft.com/uspartner_ts2team/2014/10/10/azure-virtual-machines-stopping-versus-stopping-deallocating/

QUESTION 162
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 has an Azure subscription that contains the following unused resources:

```
- 20 user accounts in Azure Active Directory (Azure AD)
- Five groups in Azure AD
- 10 public IP addresses
- 10 network interfaces
```

You need to reduce the Azure costs for the company.

Solution: You remove the unused network interfaces.

Does this meet the goal?

A. Yes
B. No

Answer: B
Explanation:
You are not charged for unused network interfaces. Therefore, deleting unused network interfaces will not reduce the Azure costs for the company.
References:
https://docs.microsoft.com/en-us/azure/advisor/advisor-cost-recommendations#reduce-costs-by-deleting-or-reconfiguring-idle-virtual-network-gateways

QUESTION 163
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 has an Azure subscription that contains the following unused resources:

```
- 20 user accounts in Azure Active Directory (Azure AD)
- Five groups in Azure AD
- 10 public IP addresses
- 10 network interfaces
```

You need to reduce the Azure costs for the company.

Solution: You remove the unused public IP addresses.

Does this meet the goal?

A. Yes
B. No

Answer: A
Explanation:
You are charged for public IP addresses. Therefore, deleting unused public IP addresses will reduce the Azure costs.
References:
https://docs.microsoft.com/en-us/azure/advisor/advisor-cost-recommendations#reduce-costs-by-deleting-or-reconfiguring-idle-virtual-network-gateways

QUESTION 164
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 has an Azure subscription that contains the following unused resources:

```
- 20 user accounts in Azure Active Directory (Azure AD)
- Five groups in Azure AD
- 10 public IP addresses
- 10 network interfaces
```

You need to reduce the Azure costs for the company.

Solution: You remove the unused user accounts.

Does this meet the goal?

A. Yes
B. No

Answer: B
Explanation: You are not charged for user accounts. Therefore, deleting unused user accounts will not reduce the Azure costs for the company.
References:
https://docs.microsoft.com/en-us/azure/advisor/advisor-cost-recommendations#reduce-costs-by-deleting-or-reconfiguring-idle-virtual-network-gateways

QUESTION 165
This question requires that you evaluate the underlined text to determine if it is correct.

A support plan solution that gives you best practice information, health status and notifications, and 24/7 access to billing information at the lowest possible cost is a Standard support plan.

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. Developer
C. Basic
D. Premier

Answer: C
Explanation:
A basic support plan provides:
24x7 access to billing and subscription support, online self-help, documentation, whitepapers, and support forums
Best practices: Access to full set of Azure Advisor recommendations
Health Status and Notifications: Access to personalized Service Health Dashboard & Health API
References:
https://azure.microsoft.com/en-us/support/plans/

QUESTION 166

In which Azure support plans can you open a new support request?

A. Premier and Professional Direct only
B. Premier, Professional Direct, and Standard only
C. Premier, Professional Direct, Standard, and Developer only
D. Premier, Professional Direct, Standard, Developer, and Basic

Answer: D
Explanation:
Ability to submit as many support tickets as you need. start with Basic.
https://azure.microsoft.com/en-us/support/plans/

QUESTION 167

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

You can create an Azure support request from support.microsoft.com.

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. the Azure portal
C. the Knowledge Center
D. the Security & Compliance admin center

Answer: B
Explanation:
You can create an Azure support request from the Help and Support blade in the Azure portal or from the context menu of an Azure resource in the Support + Troubleshooting section.
References:

https://docs.microsoft.com/en-us/azure/azure-supportability/how-to-create-azure-support-request

QUESTION 168
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 has an Azure subscription that contains the following unused resources:

```
- 20 user accounts in Azure Active Directory (Azure AD)
- Five groups in Azure AD
- 10 public IP addresses
- 10 network interfaces
```

You need to reduce the Azure costs for the company.

Solution: You remove the unused groups.

Does this meet the goal?

A. Yes
B. No

Answer: B
Explanation:
You are not charged for Azure Active Directory Groups. Therefore, deleting unused groups will not reduce your Azure costs.
References:
https://docs.microsoft.com/en-us/azure/advisor/advisor-cost-recommendations#reduce-costs-by-deleting-or-reconfiguring-idle-virtual-network-gateways

QUESTION 169
This question requires that you evaluate the underlined text to determine if it is correct.

The Azure <u>Standard</u> support plan is the lowest cost option to receive 24x7 access to support engineers by phone.

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. Developer
C. Basic
D. Professional Direct

Answer: A
Explanation:
The Standard, Professional Direct and Premier support plan are 24x7 access to Support Engineers via email and phone

The order of support plans in terms of cost ranging from the cheapest to most expensive is:
Basic, Developer, Standard, Professional Direct, Premier.
References:
https://azure.microsoft.com/en-gb/support/plans/

QUESTION 170
This question requires that you evaluate the underlined text to determine if it is correct.

All Azure services that are in public preview are provided without any documentation.

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. only configurable from Azure CLI
C. excluded from the Service Level Agreements
D. only configurable from the Azure portal

Answer: C
Explanation:
Preview features are made available to you on the condition that you accept additional terms which supplement the regular Azure terms. The supplemental terms state:
"PREVIEWS ARE PROVIDED "AS-IS," "WITH ALL FAULTS," AND "AS AVAILABLE," AND ARE EXCLUDED FROM THE SERVICE LEVEL AGREEMENTS AND LIMITED WARRANTY."
References:
https://azure.microsoft.com/en-gb/support/legal/preview-supplemental-terms/

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QUESTION 171
What is guaranteed in an Azure Service Level Agreement (SLA) for virtual machines?

A. uptime
B. feature availability
C. bandwidth
D. performance

Answer: A
Explanation:
The SLA for virtual machines guarantees `uptime'. The amount of uptime guaranteed depends on factors such as whether the VMs are in an availability set or availability zone if there is more than one VM, the distribution of the VMs if there is more than one or the disk type if it is a single VM.
The SLA for Virtual Machines states:
For all Virtual Machines that have two or more instances deployed across two or more Availability Zones in the same Azure region, we guarantee you will have Virtual Machine Connectivity to at least one instance at least 99.99% of the time.
For all Virtual Machines that have two or more instances deployed in the same Availability Set or in the same Dedicated Host Group, we guarantee you will have Virtual Machine Connectivity to at least one instance at least 99.95% of the time.
For any Single Instance Virtual Machine using Premium SSD or Ultra Disk for all Operating System Disks and Data Disks, we guarantee you will have Virtual Machine Connectivity of at least 99.9%.
References:
https://azure.microsoft.com/en-us/support/legal/sla/summary/
https://azure.microsoft.com/en-us/support/legal/sla/virtual-machines/v1_9/

QUESTION 172

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

An Azure service is available to all Azure customers when it is in public preview.

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. private preview
C. development
D. an Enterprise Agreement (EA) subscription

Answer: A

Explanation:

Public Preview means that the service is in public beta and can be tried out by anyone with an Azure subscription. Services in public preview are often offered at a discount price.
Public previews are excluded from SLAs and in some cases, no support is offered.
Incorrect Answers:
B: Services in private preview are available only to selected people who has signed up to the private preview program.
C: Services in development are not available to the public.
D: Services provided under an Enterprise Agreement (EA) subscription are available only to the subscription owner.
References:
https://www.neowin.net/news/several-more-azure-services-now-available-in-private-public-preview/

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QUESTION 173

An organization deploys additional resource to Azure as it wants to expand its cloud presence. It is decided that templates based on existing resources will be used while deploying. Consistent deployment must be ensured as it is critical. Which of the following would you suggest the organization should use?

A. Azure Resource Groups
B. Azure Resource Manager
C. Azure Monitor
D. Azure Security Center

Answer: B

QUESTION 174

If you want to deploy, manage and monitor Azure resources, which of the following Azure management tool do you think provides a graphic interface for doing so?

A. Azure Command line interface
B. Azure PowerShell
C. Azure Resource Manager
D. Azure Portal

Answer: D

QUESTION 175
An organization is operating with three Availability Zones (AZ). It is decided to deploy multiple instances of a web application across all three AZs. An Azure networking product is then configured by the organization so the service requests can be evenly distributed across all the three instances. Can you identify the Azure networking product that will be used?

A. Content delivery network
B. Application Gateway
C. Load Balancer
D. Web Application firewall

Answer: B

QUESTION 176
Azure Cloud Shell is used by which Azure resource?

A. Container
B. Storage account
C. Virtual Machine (VM)
D. App services web app

Answer: B

QUESTION 177
A company has multiple subscriptions. They want to create resources in different subscriptions. Is it possible to create resources in different subscriptions?

A. Yes
B. No

Answer: A
Explanation:
https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-group-overview

QUESTION 178
This question requires that you evaluate the underlined text to determine if it is correct.

Your Azure trial account expired last week. You are now unable to create additional Azure Active Directory (Azure AD) user accounts.

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. start an existing Azure virtual machine
C. access your data stored in Azure
D. access the Azure portal

Answer: B
Explanation:
A stopped (deallocated) VM is offline and not mounted on an Azure host server. Starting a VM mounts the VM on a host server before the VM starts. As soon as the VM is mounted, it becomes chargeable. For this reason, you are unable to start a VM after a trial has expired.
Incorrect Answers:
A: You are not charged for Azure Active Directory user accounts so you can continue to create accounts.
C: You can access data that is already stored in Azure.
D: You can access the Azure Portal. You can also reactivate and upgrade the expired subscription in the portal.

QUESTION 179
Your organization has subscribed to an azure professional direct service plan. A support ticket is raised by a user who has Support Request Contributor built-in role. The Support Ticket has minimal business impact (Sev C) Severity. How many hours does this level of severity reflect?

A. 8 hours
B. 2 hours
C. 4 hours
D. 1 hour

Answer: C

QUESTION 180
Your company has 10 departments.

The company plans to implement an Azure environment.

You need to ensure that each department can use a different payment option for the Azure services it consumes.

What should you create for each department?

A. a reservation
B. a subscription
C. a resource group
D. a container instance

Answer: B
Explanation:
There are different payment options in Azure including pay-as-you-go (PAYG), Enterprise Agreement (EA), and Microsoft Customer Agreement (MCA) accounts.
Your Azure costs are `per subscription'. You are charged monthly for all resources in a subscription.
Therefore, to use different payment options per department, you will need to create a separate subscription per department. You can create multiple subscriptions in a single Azure Active Directory tenant.
Incorrect Answers:
A: A reservation is where you commit to a resource (for example a virtual machine) for one or three years.
This gives you a discounted price on the resource for the reservation period. Reservations do not provide a way to use different payment options per department.

C: A resource group is a logical container for Azure resources. You can view the total cost of all the resources in a resource group. However, resource groups do not provide a way to use different payment options per department.
D: A container instance is an Azure resource used to run an application. Container instances do not provide a way to use different payment options per department.
References:
https://docs.microsoft.com/en-us/azure/cost-management-billing/manage/create-subscription

QUESTION 181
Which statement accurately describes the Modern Lifecycle Policy for Azure services?

A. Microsoft provides mainstream support for a service for five years.
B. Microsoft provides a minimum of 12 months' notice before ending support for a service.
C. After a service is made generally available, Microsoft provides support for the service for a minimum of four years.
D. When a service is retired, you can purchase extended support for the service for up to five years.

Answer: B
Explanation:
For products governed by the Modern Lifecycle Policy, Microsoft will provide a minimum of 12 months' notification prior to ending support if no successor product or service is offered--excluding free services or preview releases.
References:
https://support.microsoft.com/en-us/help/30881/modern-lifecycle-policy

QUESTION 182
This question requires that you evaluate the underlined text to determine if it is correct.

You can use Advisor recommendations in Azure to send email alerts when the cost of the current billing period for an Azure subscription exceeds a specified limit.

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.

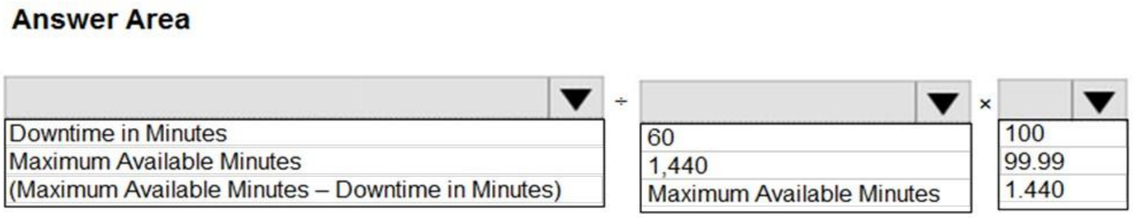
A. No change is needed.
B. Access control (IAM)
C. Budget alerts
D. Compliance

Answer: C
Explanation:
Budget alerts notify you when spending, based on usage or cost, reaches or exceeds the amount defined in the alert condition of the budget. Cost Management budgets are created using the Azure portal or the Azure Consumption API.
References:
https://docs.microsoft.com/en-us/azure/cost-management-billing/costs/cost-mgt-alerts-monitor-usage-spending

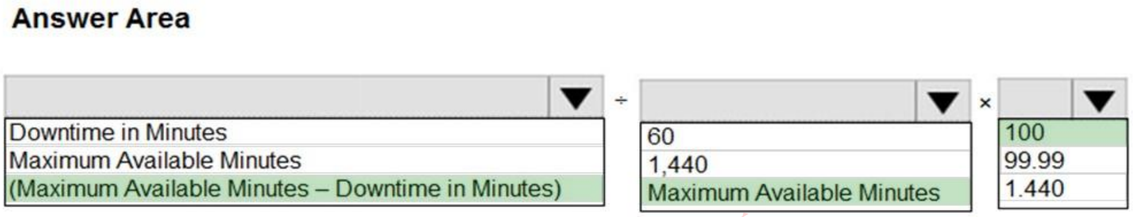
QUESTION 183
Hotspot Question

How should you calculate the monthly uptime percentage? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.


Answer Area
Downtime in Minutes
Maximum Available Minutes
(Maximum Available Minutes – Downtime in Minutes)
÷
60
1,440
Maximum Available Minutes
×
100
99.99
1.440

Answer:

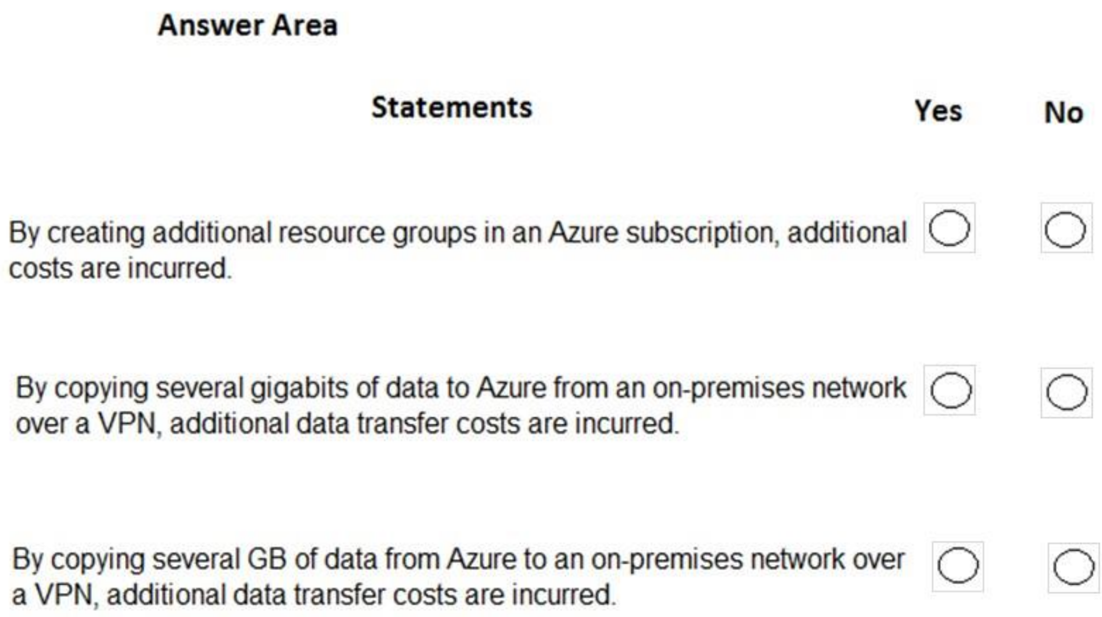

Answer Area
Downtime in Minutes
Maximum Available Minutes
(Maximum Available Minutes – Downtime in Minutes)
÷
60
1,440
Maximum Available Minutes
×
100
99.99
1.440

Explanation:
"Maximum Available Minutes" is the total accumulated minutes during a billing month .
"Downtime" is the total accumulated minutes that are part of Maximum Available Minutes where a system is unavailable.
"Monthly Uptime Percentage" for a service is calculated as Maximum Available Minutes less Downtime divided by Maximum Available Minutes x 100.
Monthly Uptime Percentage is represented by the following formula:
Monthly Uptime % = (Maximum Available Minutes-Downtime) / Maximum Available Minutes x 100.
References:
https://azure.microsoft.com/en-au/support/legal/sla/cloud-services/v1_0/

QUESTION 184
Hotspot Question

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

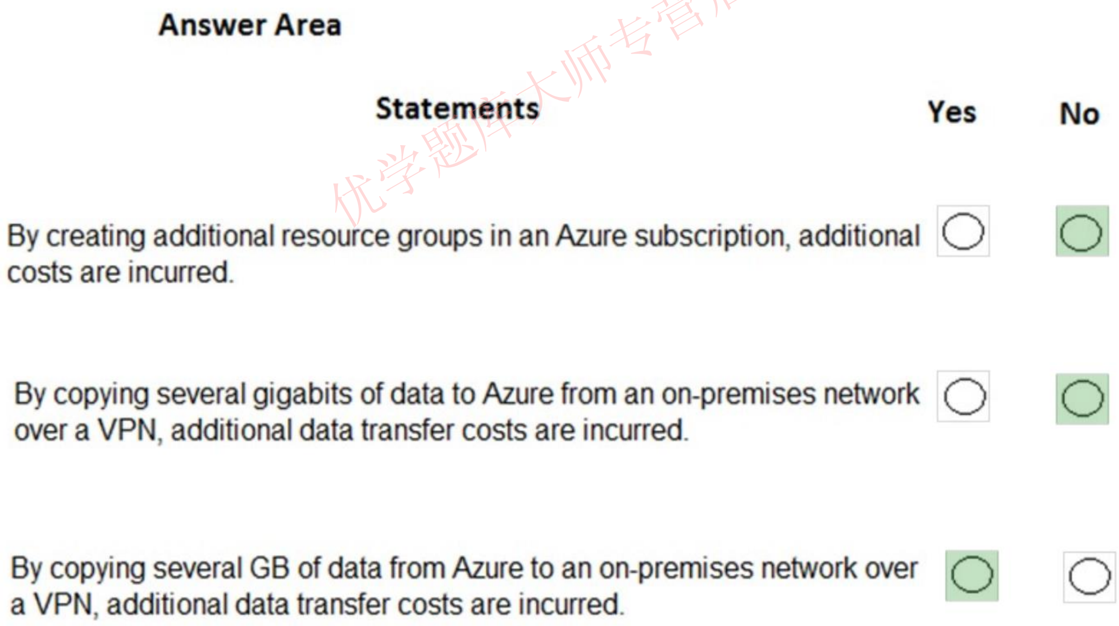
NOTE: Each correct selection is worth one point.



Answer Area

Statements	Yes	No
By creating additional resource groups in an Azure subscription, additional costs are incurred.	○	○
By copying several gigabits of data to Azure from an on-premises network over a VPN, additional data transfer costs are incurred.	○	○
By copying several GB of data from Azure to an on-premises network over a VPN, additional data transfer costs are incurred.	○	○

Answer:



Answer Area

Statements	Yes	No
By creating additional resource groups in an Azure subscription, additional costs are incurred.	○	●
By copying several gigabits of data to Azure from an on-premises network over a VPN, additional data transfer costs are incurred.	○	●
By copying several GB of data from Azure to an on-premises network over a VPN, additional data transfer costs are incurred.	●	○

Explanation:
Box 1: No
Resource groups are logical containers for Azure resources. You do not pay for resource groups.

Box 2: No
Data ingress over a VPN is data ‘coming in’ to Azure over the VPN. You are not charged data transfer costs for data ingress.

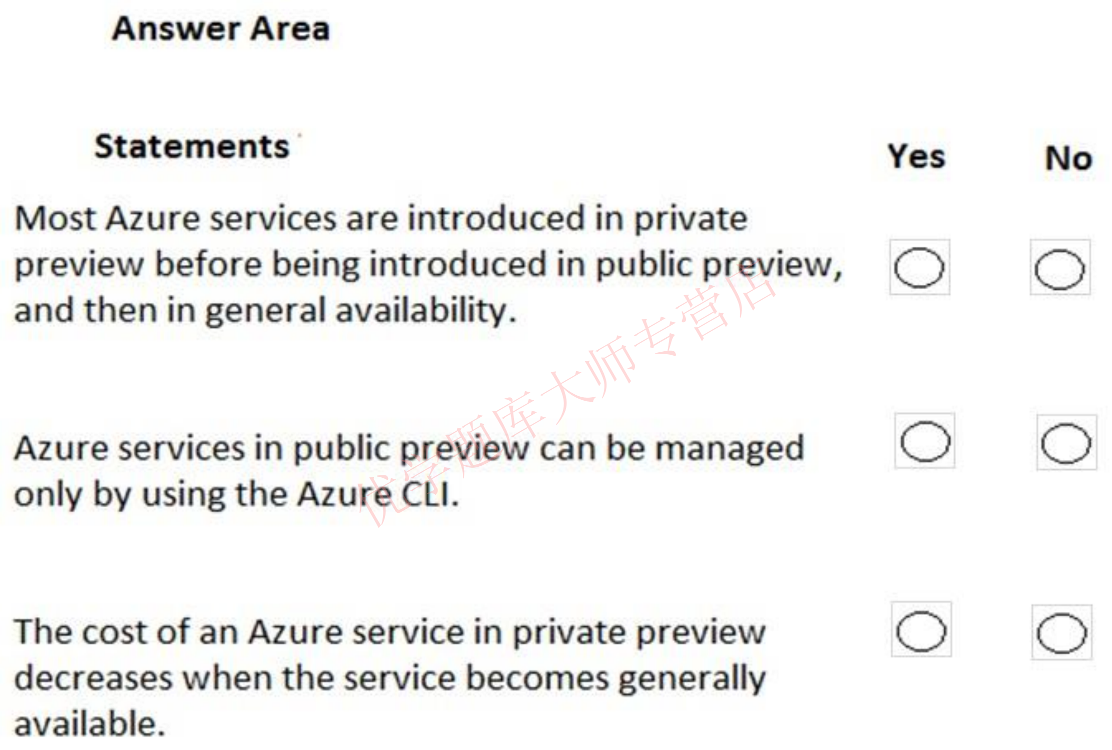
Box 3: Yes
Data egress over a VPN is data ‘going out’ of Azure over the VPN. You are charged for data egress.

References:
https://docs.microsoft.com/en-us/azure/azure-resource-manager/manage-resource-groups-portal
https://azure.microsoft.com/en-us/pricing/details/bandwidth/

QUESTION 185
Hotspot Question

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

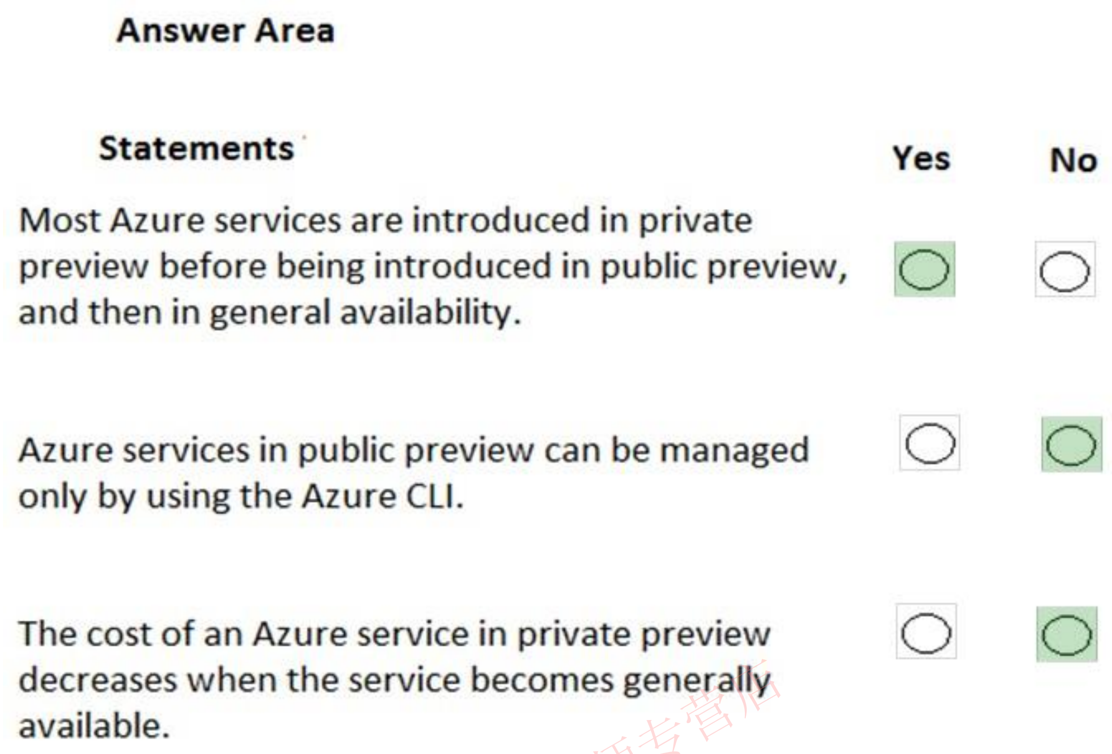
NOTE: Each correct selection is worth one point.



Answer Area

Statements	Yes	No
Most Azure services are introduced in private preview before being introduced in public preview, and then in general availability.	○	○
Azure services in public preview can be managed only by using the Azure CLI.	○	○
The cost of an Azure service in private preview decreases when the service becomes generally available.	○	○

Answer:



Answer Area

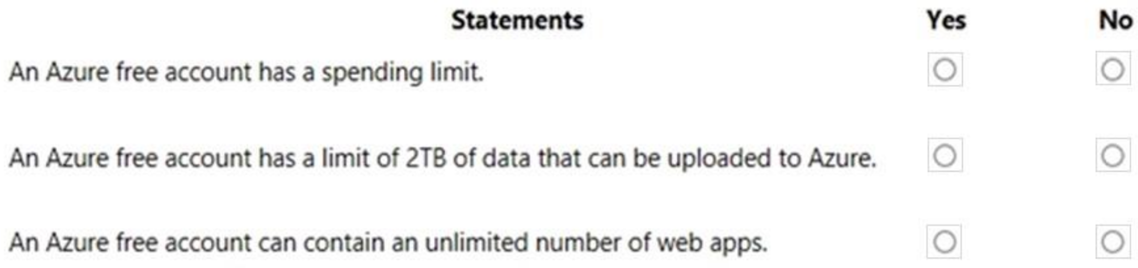
Statements	Yes	No
Most Azure services are introduced in private preview before being introduced in public preview, and then in general availability.	●	○
Azure services in public preview can be managed only by using the Azure CLI.	○	●
The cost of an Azure service in private preview decreases when the service becomes generally available.	○	●

Explanation:
Box 1: Yes
Most services go to private preview then public preview before being released to general availability. The private preview is only available to certain Azure customers for evaluation purposes. The public preview is available to all Azure customers.
Box 2: No
Azure services in public preview can be managed using the regular management tools: Azure Portal, Azure CLI and PowerShell.
Box 3: No
Services in private or public preview are usually offered at reduced costs. However, the costs increase, not decrease when the services are released to general availability.

QUESTION 186
Hotspot Question

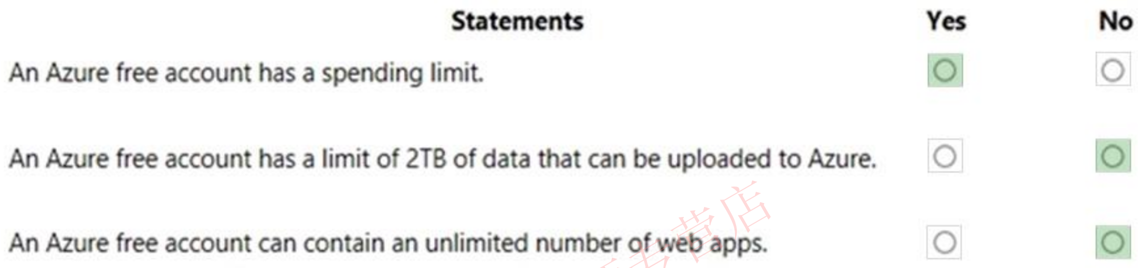
For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.



Statements	Yes	No
An Azure free account has a spending limit.	○	○
An Azure free account has a limit of 2TB of data that can be uploaded to Azure.	○	○
An Azure free account can contain an unlimited number of web apps.	○	○

Answer:



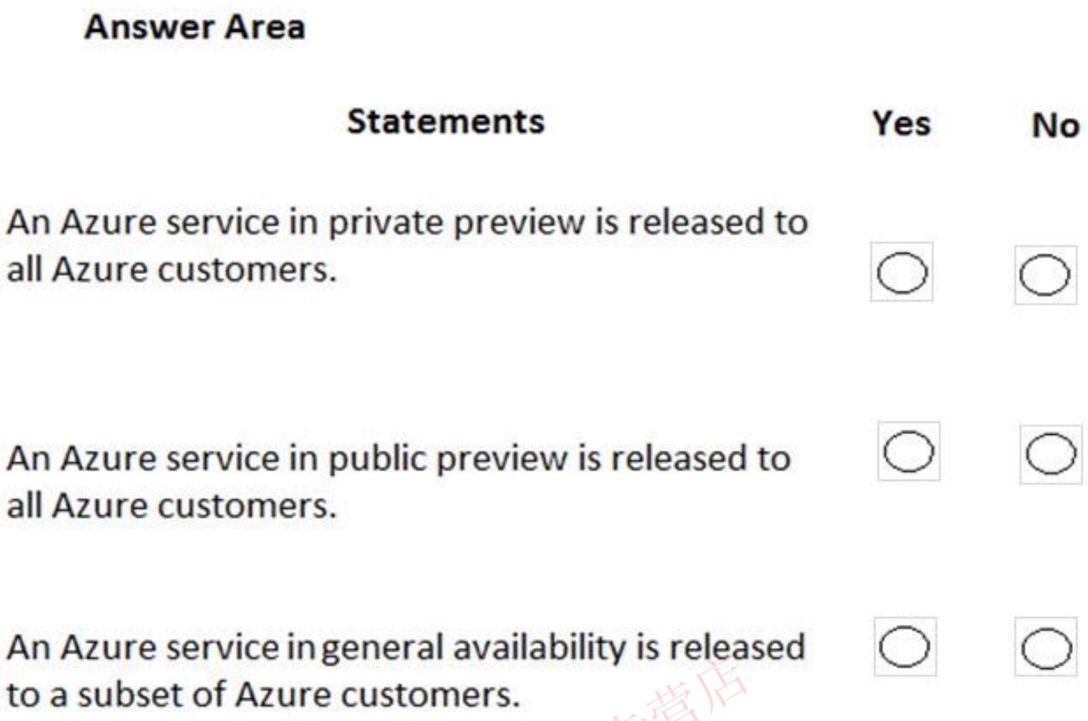
Statements	Yes	No
An Azure free account has a spending limit.	●	○
An Azure free account has a limit of 2TB of data that can be uploaded to Azure.	○	●
An Azure free account can contain an unlimited number of web apps.	○	●

Explanation:
Box 1: Yes
An Azure free account has a spending limit. This is currently 200 USD or 150 GBP.
Box 2: No
Azure free account has a 5 GB blob storage limit and a 5 GB file storage limit.
Box 3: No
Azure free account has a limit of 10 web, mobile or API apps
References:
https://azure.microsoft.com/en-us/free/
https://azure.microsoft.com/en-us/free/free-account-faq/
https://docs.microsoft.com/en-us/azure/billing/billing-avoid-charges-free-account

QUESTION 187
Hotspot Question

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

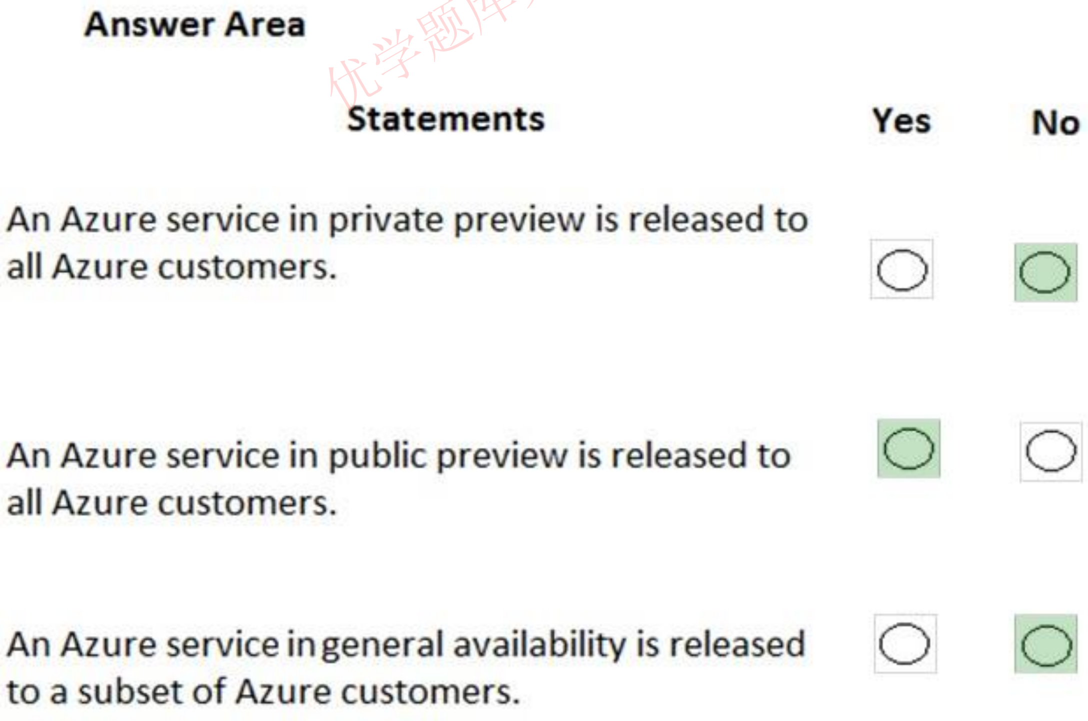
NOTE: Each correct selection is worth one point.



Answer Area

Statements	Yes	No
An Azure service in private preview is released to all Azure customers.	○	○
An Azure service in public preview is released to all Azure customers.	○	○
An Azure service in general availability is released to a subset of Azure customers.	○	○

Answer:



Answer Area

Statements	Yes	No
An Azure service in private preview is released to all Azure customers.	○	●
An Azure service in public preview is released to all Azure customers.	●	○
An Azure service in general availability is released to a subset of Azure customers.	○	●

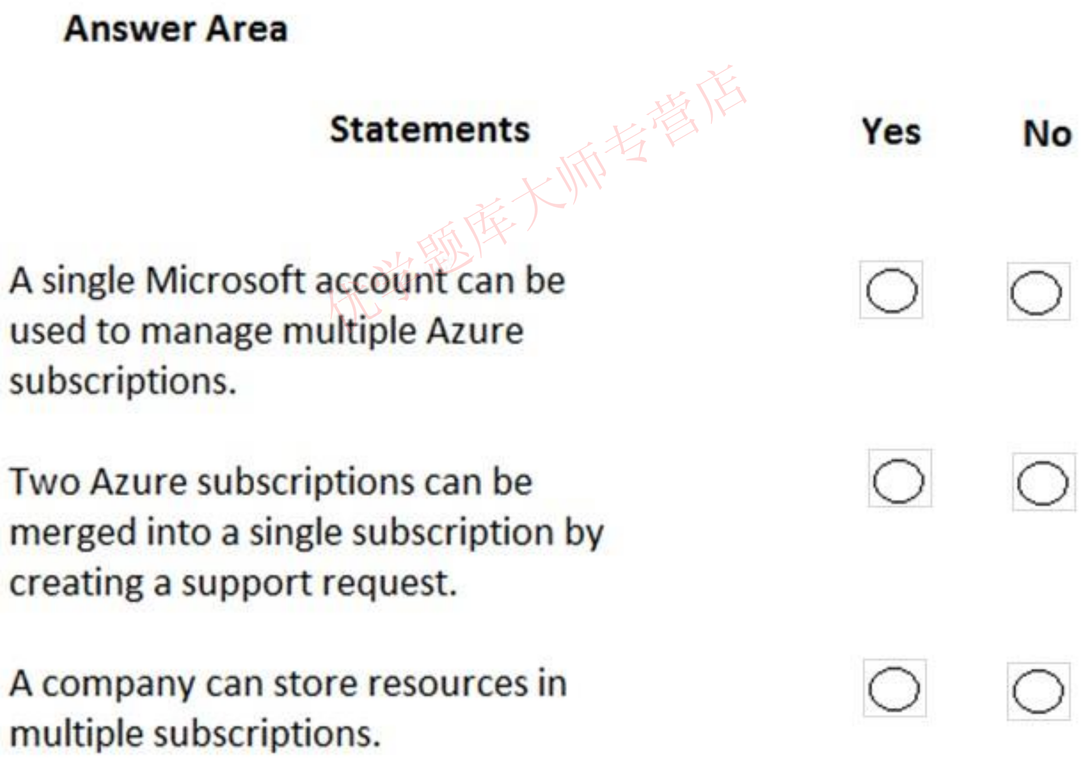
Explanation:
Box 1: No
Most services go to private preview then public preview before being released to general availability. The private preview is only available to certain Azure customers for evaluation

purposes.
Box 2: Yes
Public Preview means that the service is in public beta and can be tried out by anyone with an Azure subscription. Services in public preview are often offered at a discount price. Public previews are excluded from SLAs and in some cases, no support is offered.
Box 3: No
An Azure service in general availability is available to all Azure customers, not just a subset of the customers.
References:
https://azure-overview.com/Home/Faq

QUESTION 188
Hotspot Question

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

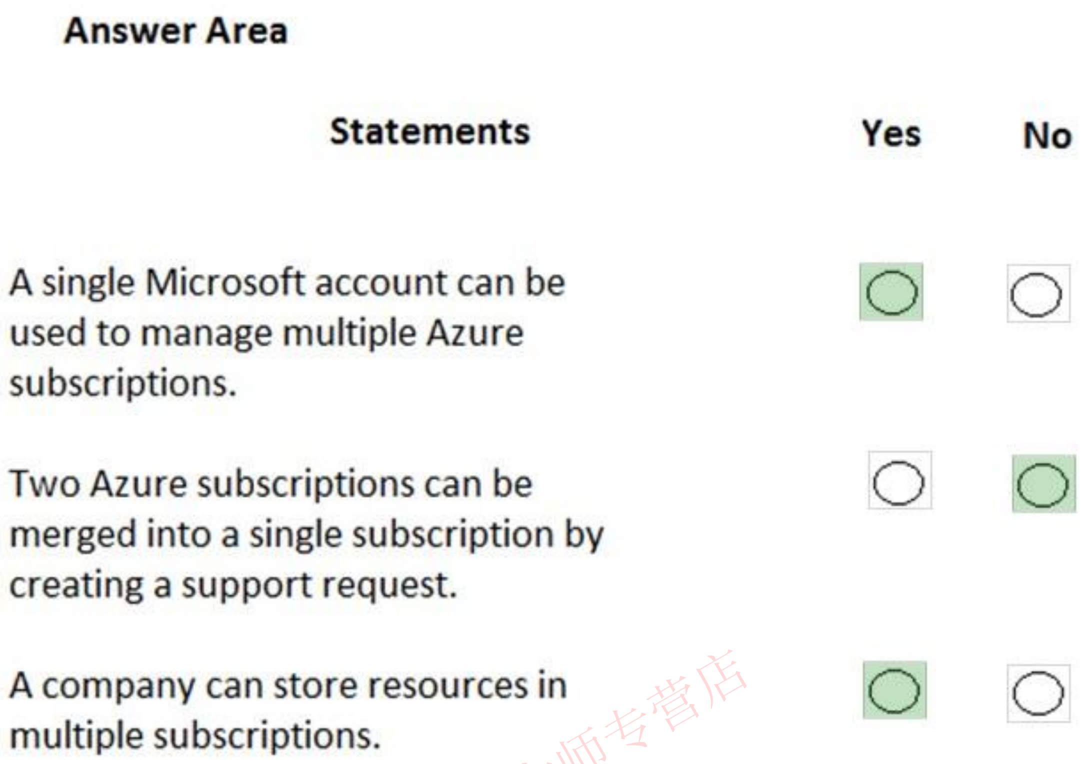
NOTE: Each correct selection is worth one point.



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 by creating a support request.	○	○
A company can store resources in multiple subscriptions.	○	○

Answer:



Answer Area

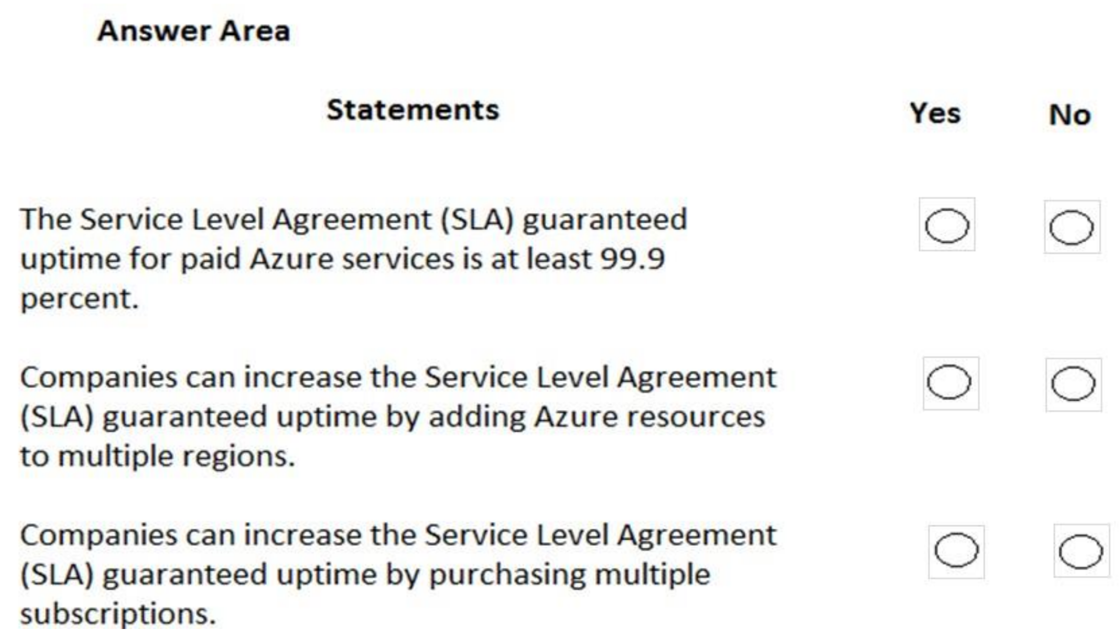
Statements	Yes	No
A single Microsoft account can be used to manage multiple Azure subscriptions.	●	○
Two Azure subscriptions can be merged into a single subscription by creating a support request.	○	●
A company can store resources in multiple subscriptions.	●	○

Explanation:
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.
References:
https://docs.microsoft.com/en-us/azure/cost-management-billing/manage/create-subscription

QUESTION 189
Hotspot Question

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

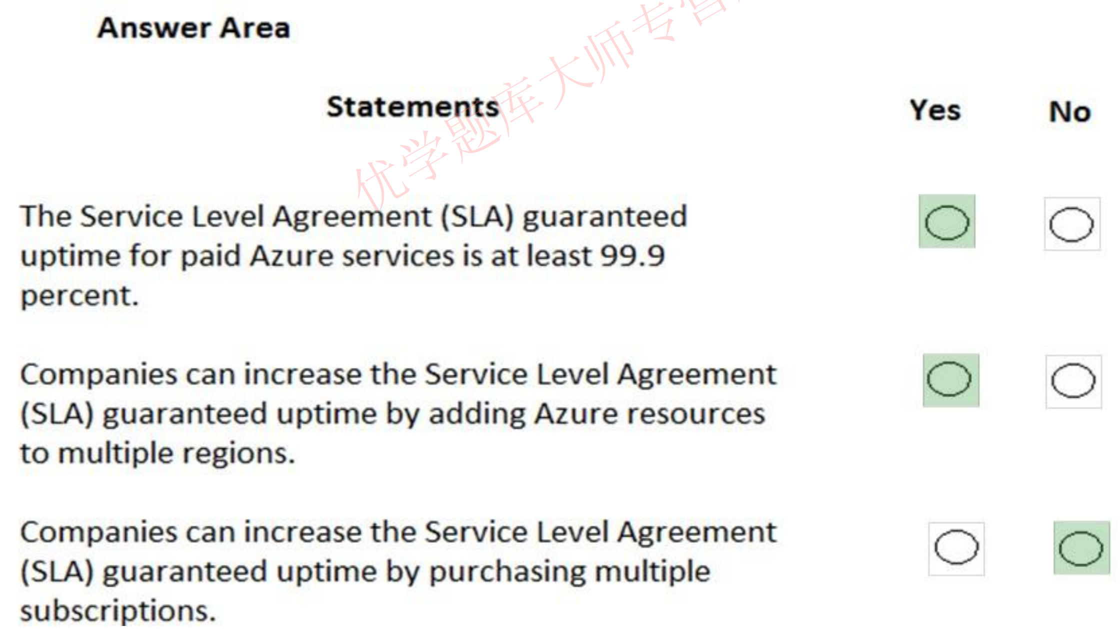
NOTE: Each correct selection is worth one point.



Answer Area

Statements	Yes	No
The Service Level Agreement (SLA) guaranteed uptime for paid Azure services is at least 99.9 percent.	○	○
Companies can increase the Service Level Agreement (SLA) guaranteed uptime by adding Azure resources to multiple regions.	○	○
Companies can increase the Service Level Agreement (SLA) guaranteed uptime by purchasing multiple subscriptions.	○	○

Answer:



Answer Area

Statements	Yes	No
The Service Level Agreement (SLA) guaranteed uptime for paid Azure services is at least 99.9 percent.	●	○
Companies can increase the Service Level Agreement (SLA) guaranteed uptime by adding Azure resources to multiple regions.	●	○
Companies can increase the Service Level Agreement (SLA) guaranteed uptime by purchasing multiple subscriptions.	○	●

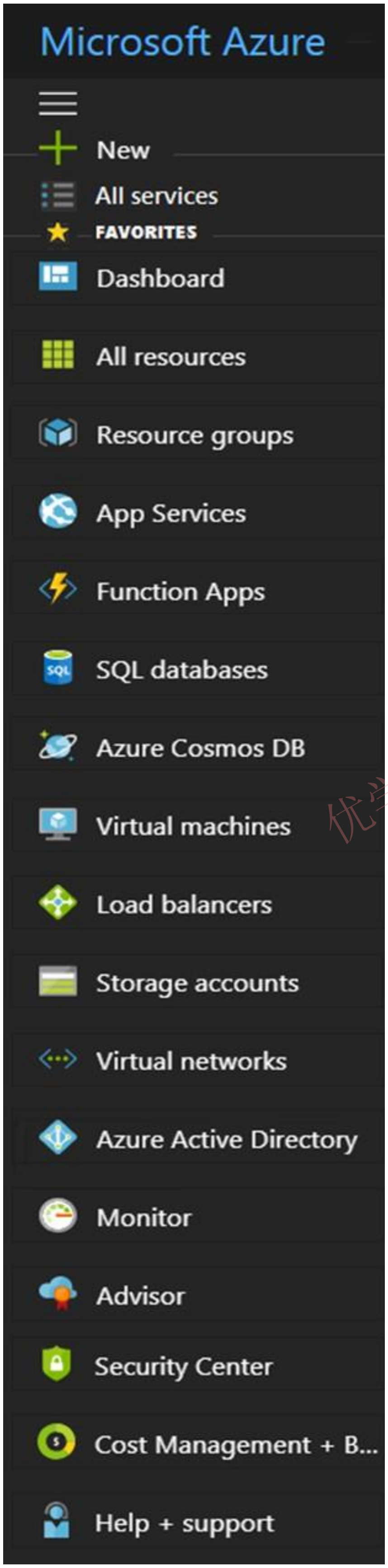
Explanation:
Box 1: Yes
SLA's vary based on the resource type and the location distribution of the resource. However, the minimum uptime for all Azure services is 99.9 percent.
Box 2: Yes
The SLA guaranteed uptime is increased (usually to 99.95 percent) when resources are deployed across multiple regions.
Box 3: No
The number of subscriptions is unrelated to uptime SLA's. You can deploy resources to multiple regions under a single subscription or you can have multiple subscriptions with resources deployed to the same region.

References:
https://azure.microsoft.com/en-us/support/legal/sla/summary/

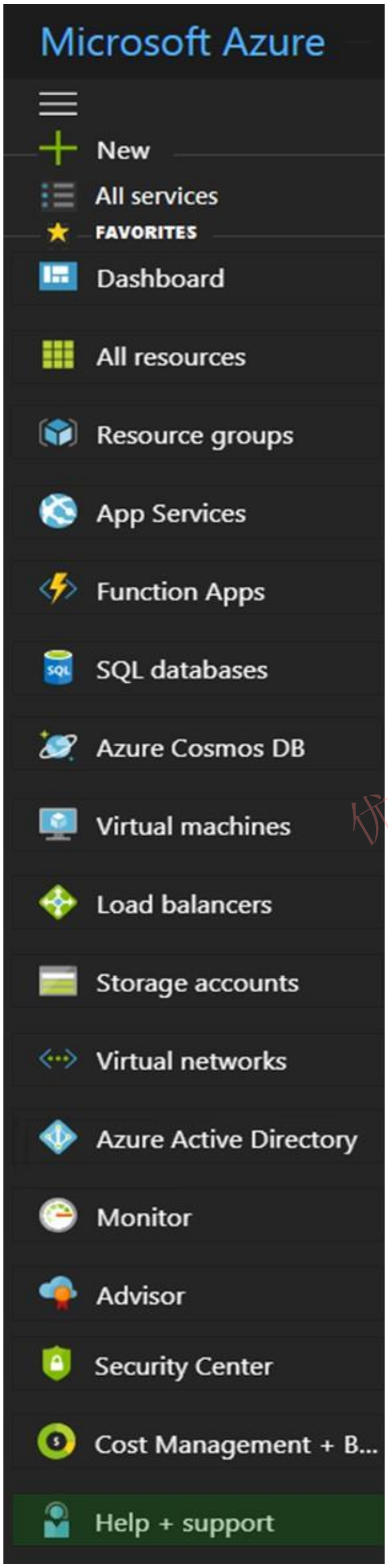
QUESTION 190
Hotspot Question

You need to request that Microsoft increase a subscription quota limit for your company.

Which blade should you use from the Azure portal? To answer, select the appropriate blade in the answer area.


Microsoft Azure
New
All services
FAVORITES
Dashboard
All resources
Resource groups
App Services
Function Apps
SQL databases
Azure Cosmos DB
Virtual machines
Load balancers
Storage accounts
Virtual networks
Azure Active Directory
Monitor
Advisor
Security Center
Cost Management + B...
Help + support

Answer:

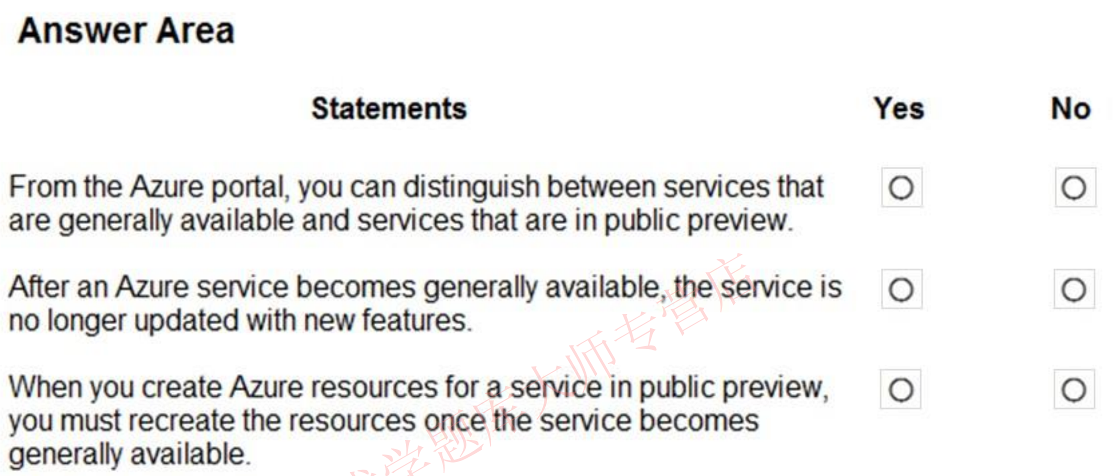

Microsoft Azure
New
All services
FAVORITES
Dashboard
All resources
Resource groups
App Services
Function Apps
SQL databases
Azure Cosmos DB
Virtual machines
Load balancers
Storage accounts
Virtual networks
Azure Active Directory
Monitor
Advisor
Security Center
Cost Management + B...
Help + support

Explanation:
Request a standard quota increase from Help + support
References:
https://docs.microsoft.com/en-us/azure/azure-portal/supportability/per-vm-quota-requests

QUESTION 191
Hotspot Question

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

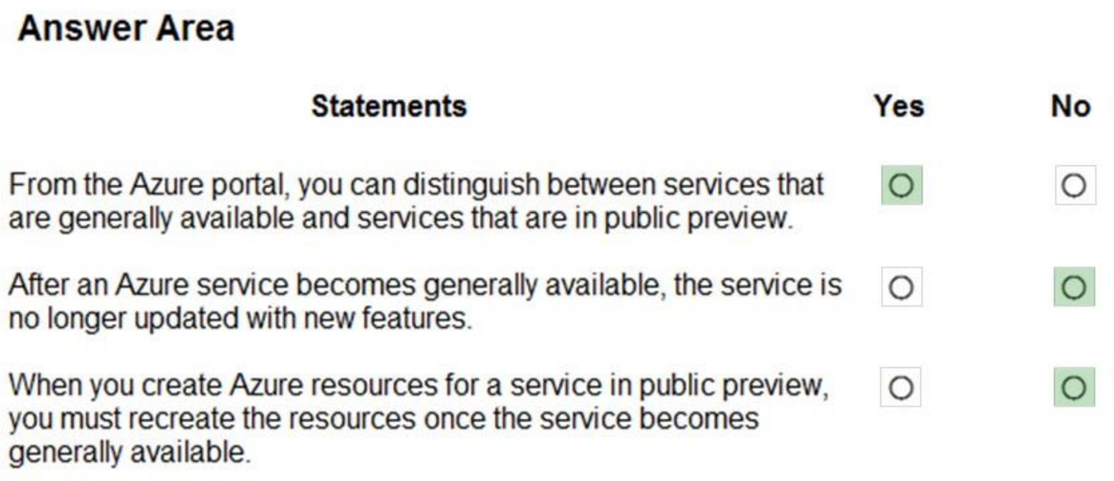
NOTE: Each correct selection is worth one point.



Answer Area

Statements	Yes	No
From the Azure portal, you can distinguish between services that are generally available and services that are in public preview.	○	○
After an Azure service becomes generally available, the service is no longer updated with new features.	○	○
When you create Azure resources for a service in public preview, you must recreate the resources once the service becomes generally available.	○	○

Answer:



Answer Area

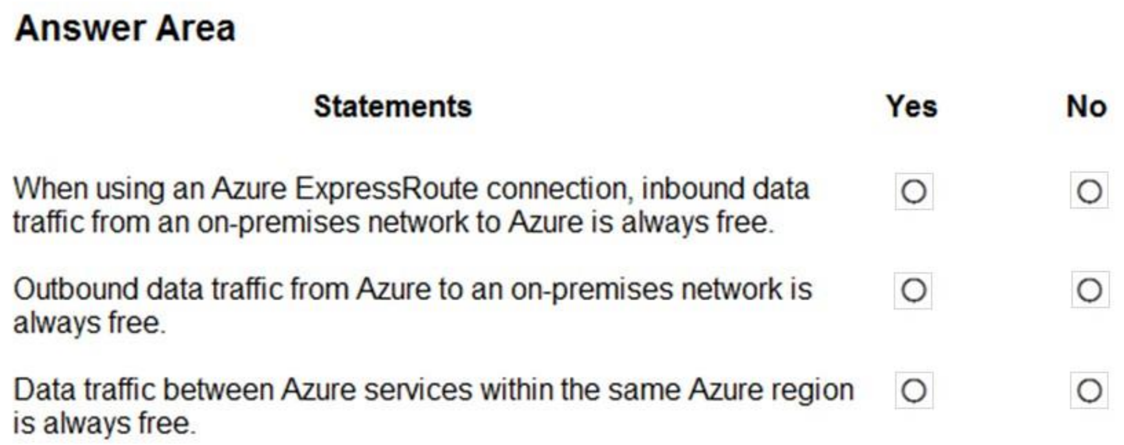
Statements	Yes	No
From the Azure portal, you can distinguish between services that are generally available and services that are in public preview.	●	○
After an Azure service becomes generally available, the service is no longer updated with new features.	○	●
When you create Azure resources for a service in public preview, you must recreate the resources once the service becomes generally available.	○	●

Explanation:
https://azure.microsoft.com/en-us/support/legal/preview-supplemental-terms/

QUESTION 192
Hotspot Question

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

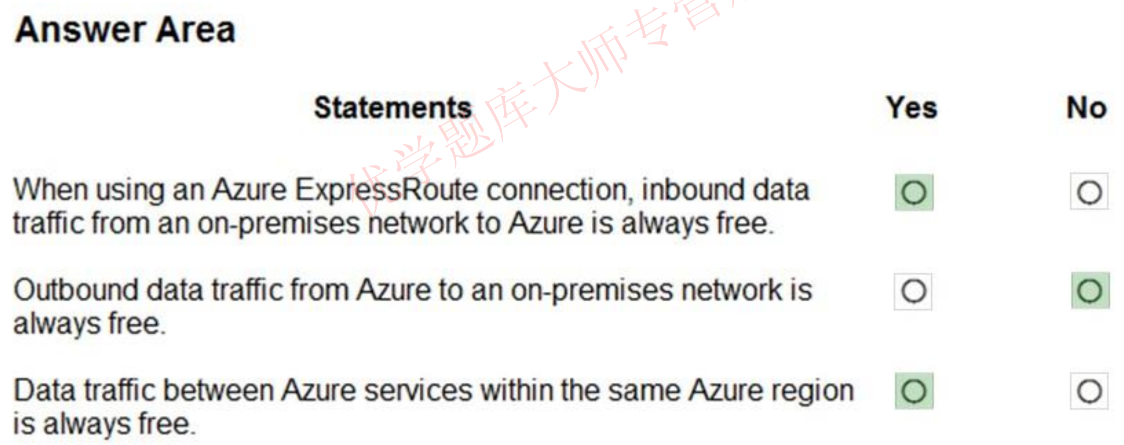
NOTE: Each correct selection is worth one point.



Answer Area

Statements	Yes	No
When using an Azure ExpressRoute connection, inbound data traffic from an on-premises network to Azure is always free.	○	○
Outbound data traffic from Azure to an on-premises network is always free.	○	○
Data traffic between Azure services within the same Azure region is always free.	○	○

Answer:



Answer Area

Statements	Yes	No
When using an Azure ExpressRoute connection, inbound data traffic from an on-premises network to Azure is always free.	●	○
Outbound data traffic from Azure to an on-premises network is always free.	○	●
Data traffic between Azure services within the same Azure region is always free.	●	○

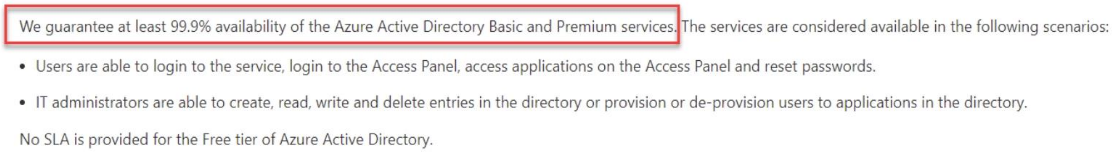
Explanation:
Box 1: Yes
With Azure ExpressRoute, all inbound data transfer is free of charge.
Box 2: No
Inbound data traffic is free but outbound data traffic is not.
Box 3: Yes
References:
https://azure.microsoft.com/en-us/pricing/details/expressroute/
https://azure.microsoft.com/en-us/pricing/details/bandwidth/

QUESTION 193
A company is planning on purchasing Azure AD Basic for their Azure account. Does the Azure AD Basic tier come with an SLA of 99.9%?

A. Yes

B. No

Answer: A
Explanation:



We guarantee at least 99.9% availability of the Azure Active Directory Basic and Premium services. The services are considered available in the following scenarios:

- Users are able to login to the service, login to the Access Panel, access applications on the Access Panel and reset passwords.
- IT administrators are able to create, read, write and delete entries in the directory or provision or de-provision users to applications in the directory.

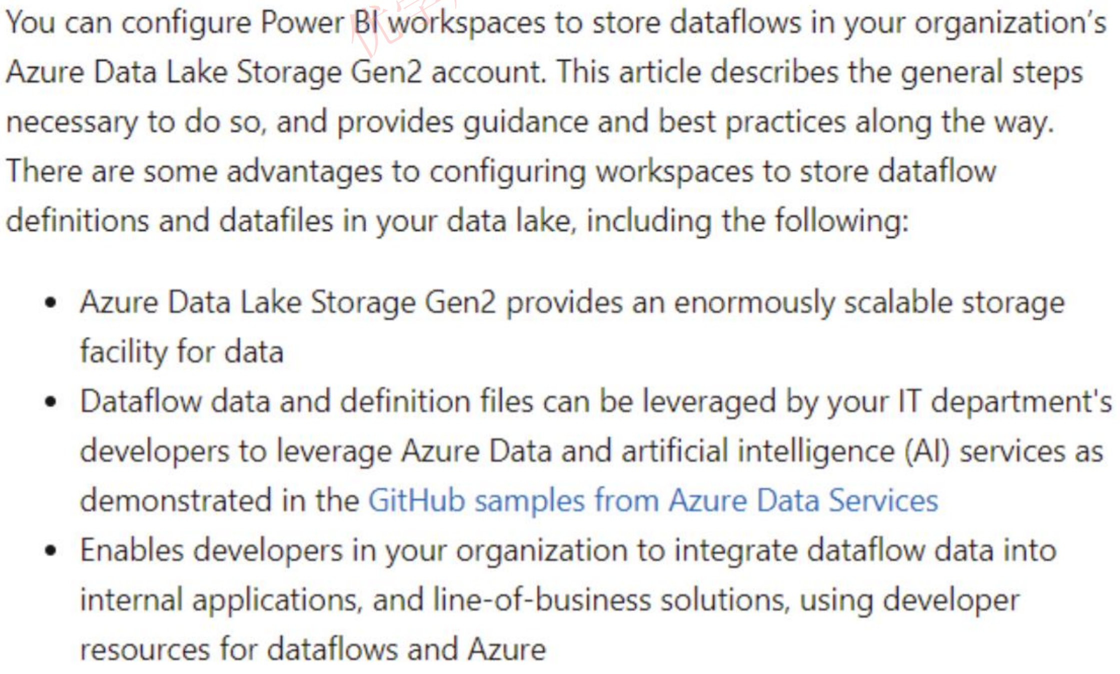
No SLA is provided for the Free tier of Azure Active Directory.

https://azure.microsoft.com/en-us/support/legal/sla/active-directory/v1_0/

QUESTION 194
A company needs to store 2 TB worth of data that is infrequently used. The data needs to be accessed via Power BI. Which of the following could be used as a cost-effective data layer for this requirement?

A. Azure SQL databases
B. Azure PostgreSQL
C. Azure Cosmos DB
D. Azure Data Lake

Answer: D
Explanation:
If you are looking at storing data that is not frequently used, you can use the Azure Data Lake service.



You can configure Power BI workspaces to store dataflows in your organization's Azure Data Lake Storage Gen2 account. This article describes the general steps necessary to do so, and provides guidance and best practices along the way. There are some advantages to configuring workspaces to store dataflow definitions and datafiles in your data lake, including the following:

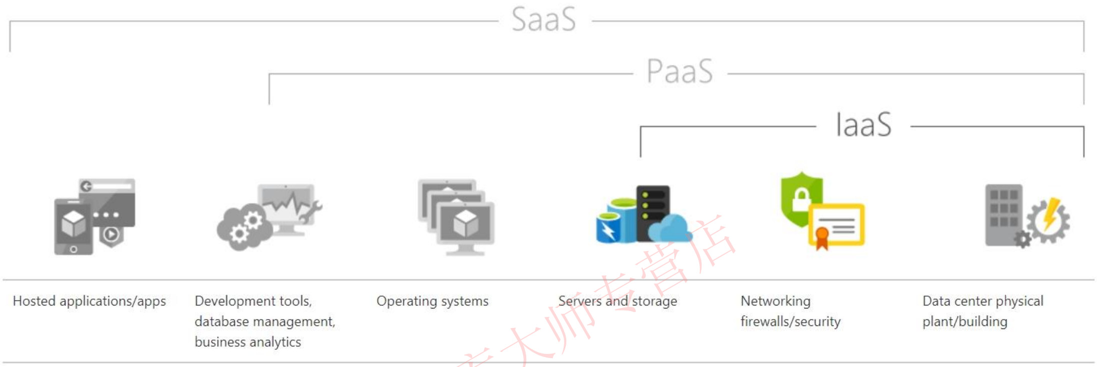
- Azure Data Lake Storage Gen2 provides an enormously scalable storage facility for data
- Dataflow data and definition files can be leveraged by your IT department's developers to leverage Azure Data and artificial intelligence (AI) services as demonstrated in the GitHub samples from Azure Data Services
- Enables developers in your organization to integrate dataflow data into internal applications, and line-of-business solutions, using developer resources for dataflows and Azure

You should use Azure SQL, Azure PostgreSQL or Cosmos DB for frequently accessed data.
https://docs.microsoft.com/en-us/power-bi/service-dataflows-connect-azure-data-lake-storage-gen2

QUESTION 195
A company is planning on creating several Virtual Machines in Azure. Which of the following is the right category to which the Azure Virtual Machine belongs to?

A. Infrastructure as a service (IaaS)
B. Platform as a service (PaaS)
C. Software as a service (SaaS)
D. Function as a service (FaaS)

Answer: A
Explanation:
The Microsoft documentation gives an example of the difference between IaaS, PaaS and SaaS as shown below:

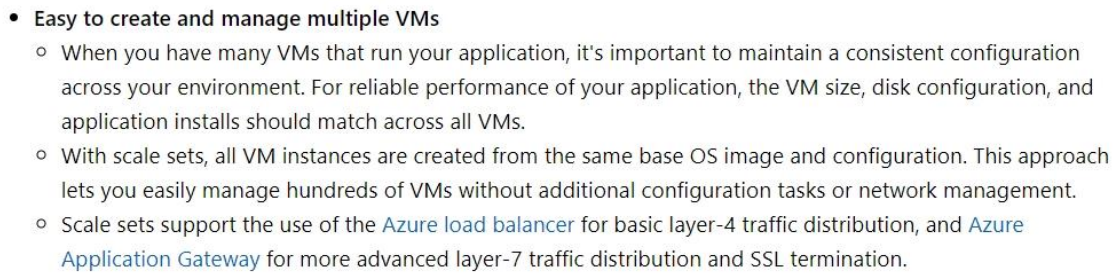

SaaS
PaaS
IaaS
Hosted applications/apps
Development tools, database management, business analytics
Operating systems
Servers and storage
Networking firewalls/security
Data center physical plant/building

IaaS constitutes the Infrastructure which constitutes your Azure Virtual Machines.
https://azure.microsoft.com/en-us/overview/what-is-iaas/

QUESTION 196
A company needs to create around 50 customized Virtual Machines. Out of these 20 are Windows based Virtual machines and 30 are Ubuntu Machines.
Which of the following would help reduce the administrative effort required to deploy the machines?

A. Azure Load Balancer
B. Azure Web Apps
C. Azure Traffic Manager
D. Azure ScaleSets

Answer: D
Explanation:



- **Easy to create and manage multiple VMs**
  - When you have many VMs that run your application, it's important to maintain a consistent configuration across your environment. For reliable performance of your application, the VM size, disk configuration, and application installs should match across all VMs.
  - With scale sets, all VM instances are created from the same base OS image and configuration. This approach lets you easily manage hundreds of VMs without additional configuration tasks or network management.
  - Scale sets support the use of the Azure load balancer for basic layer-4 traffic distribution, and Azure Application Gateway for more advanced layer-7 traffic distribution and SSL termination.

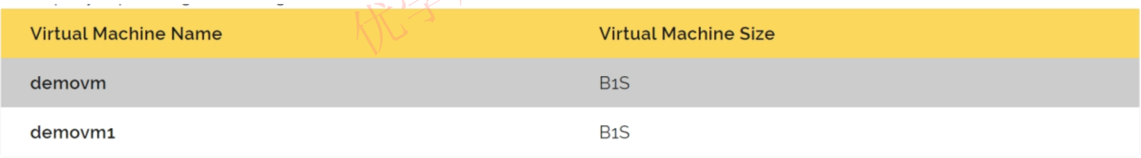
Option A is incorrect since this is used to divert traffic to back end virtual machines at the network layer.
Option B is incorrect since is used to host web applications.
Option C is incorrect since this is used for DNS based traffic routing.
https://docs.microsoft.com/en-us/azure/virtual-machine-scale-sets/overview

QUESTION 197
A company wants to make use of Azure for deployment of various solutions. They want to ensure that whenever users authenticate to Azure, they have to make use of Multi-Factor Authentication. Which of the following can help them achieve this?

A. Azure AD Identity Protection
B. Azure Security Centre
C. Azure DDoS protection
D. Azure privileged identity management

Answer: A
Explanation:
Option B is incorrect since this is a unified infrastructure security management system in Azure.
Option C is incorrect since this is a solely a solution to protect against DDoS attacks.
Option D is incorrect since this service is mostly used to give just-in-time access to resources.
https://docs.microsoft.com/en-us/azure/active-directory/identity-protection/howto-mfa-policy

QUESTION 198
A company is planning on hosting 2 Virtual Machines in Azure as shown below:

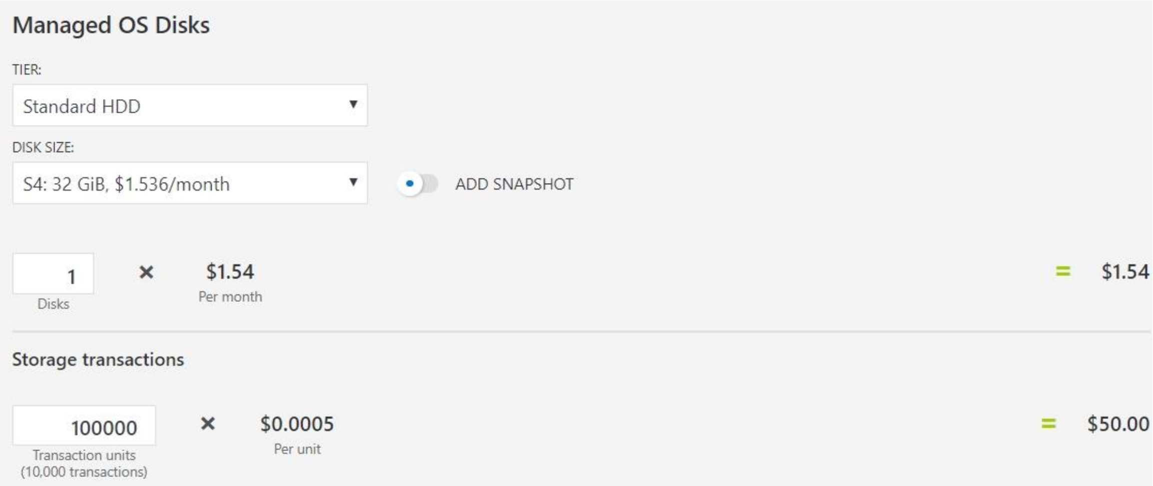


Virtual Machine Name	Virtual Machine Size
demovm	B1S
demovm1	B1S

When the virtual machine demovm is stopped, will you still incur costs for the storage attached to the Virtual Machine?

A. Yes
B. No

Answer: A
Explanation:
The Disks attached to a Virtual Machine have different costs associated with them.
Below is a screenshot from the pricing calculator for a Virtual Machine. You can see that there is a dependency on the OS Disk.



Managed OS Disks

TIER: Standard HDD

DISK SIZE: S4: 32 GiB, $1.536/month

1 Disks × $1.54 Per month = $1.54

Storage transactions

100000 Transaction units (10,000 transactions) × $0.0005 Per unit = $50.00

https://azure.microsoft.com/en-us/pricing/calculator/

QUESTION 199

A company is planning on setting up a solution in Azure. The solution would have the following key requirement:

- An Integration solution for the deployment of code

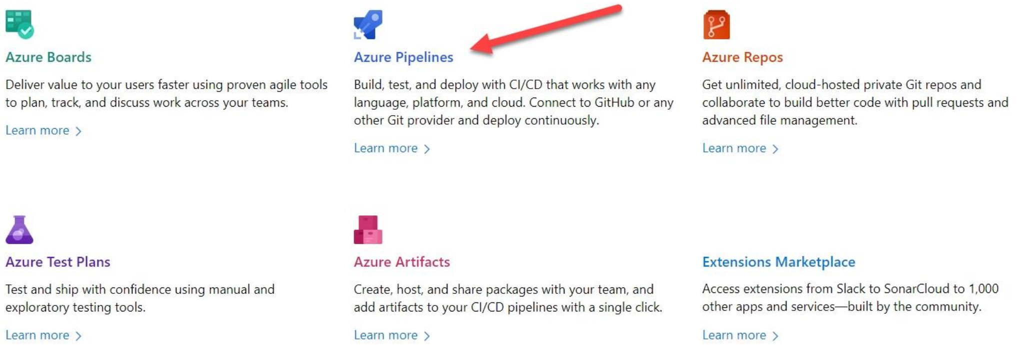
Which of the following would be best suited for this requirement?

A. Azure Advisor
B. Azure Cognitive Services
C. Azure Application Insights
D. Azure Devops

Answer: D

Explanation:

Azure Devops consists of a large set of tools. Amongst these you have Azure Pipelines which can be used to build, test and deploy code.



Azure Boards

Deliver value to your users faster using proven agile tools to plan, track, and discuss work across your teams.

Azure Pipelines

Build, test, and deploy with CI/CD that works with any language, platform, and cloud. Connect to GitHub or any other Git provider and deploy continuously.

Azure Repos

Get unlimited, cloud-hosted private Git repos and collaborate to build better code with pull requests and advanced file management.

Azure Test Plans

Test and ship with confidence using manual and exploratory testing tools.

Azure Artifacts

Create, host, and share packages with your team, and add artifacts to your CI/CD pipelines with a single click.

Extensions Marketplace

Access extensions from Slack to SonarCloud to 1,000 other apps and services—built by the community.

https://azure.microsoft.com/en-us/services/devops/

QUESTION 200

An IT Engineer needs to create a Virtual Machine in Azure. Currently the IT Engineer has a Windows desktop and has installed the Azure Command Line interface.

From which of the following could the IT engineer use the Azure Command Line Interface. (Choose 2)

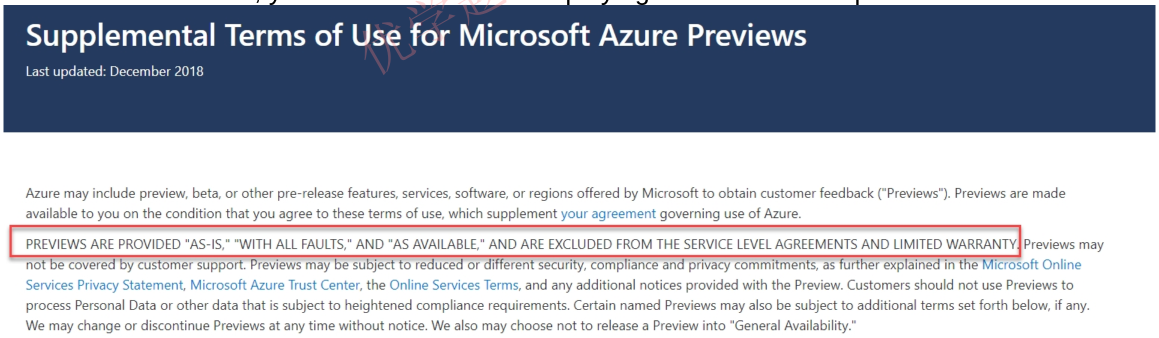
A. Powershell
B. File and Print Explorer
C. Command Prompt
D. Control Panel

Answer: AC
Explanation:
Options B and D are incorrect because you can't launch Azure Command Line from any of these options.
https://docs.microsoft.com/en-us/cli/azure/get-started-with-azure-cli?view=azure-cli-latest

QUESTION 201
A company wants to try out some services which are being offered by Azure in Public Preview. Should the company deploy resources which are part of Public Preview in their production environment?

A. Yes
B. No

Answer: B
Explanation:
As mentioned below in the Microsoft documentation, there is no SLA or guarantee for any service in Public Preview. So, you should not look at deploying such services in production.



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Last updated: December 2018

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https://azure.microsoft.com/en-us/support/legal/preview-supplemental-terms/

QUESTION 202
A company is planning on using Azure Storage Accounts. They have the following requirement

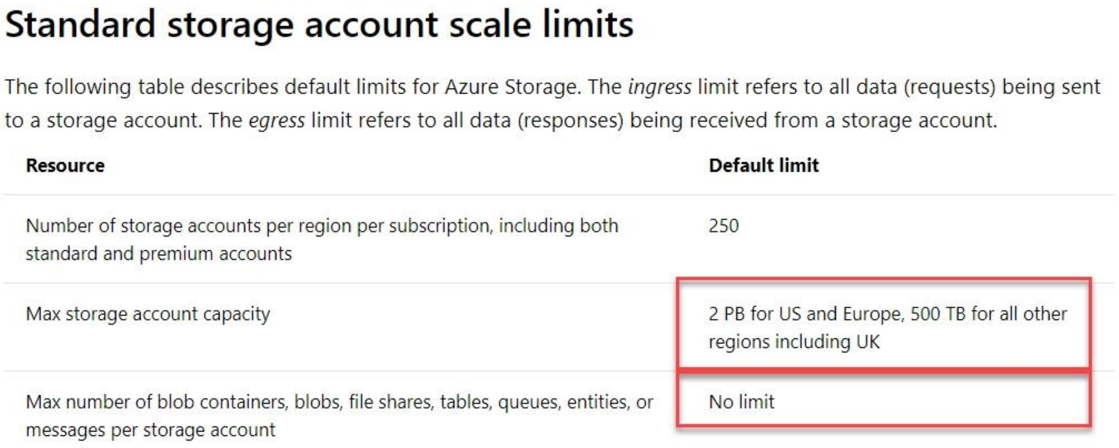
```
- Storage of 2 TB of data
- Storage of a million files
```

Would using Azure Storage fulfil these requirements?

A. Yes
B. No

Answer: A

Explanation:
If you look at the Microsoft documentation, Azure storage has a high limit on the amount that can be stored and no limit on the number of files



Standard storage account scale limits

The following table describes default limits for Azure Storage. The *ingress* limit refers to all data (requests) being sent to a storage account. The *egress* limit refers to all data (responses) being received from a storage account.

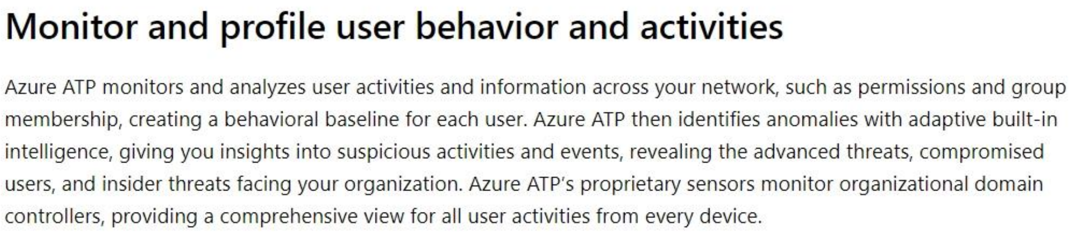
Resource	Default limit
Number of storage accounts per region per subscription, including both standard and premium accounts	250
Max storage account capacity	2 PB for US and Europe, 500 TB for all other regions including UK
Max number of blob containers, blobs, file shares, tables, queues, entities, or messages per storage account	No limit

https://docs.microsoft.com/en-us/azure/storage/common/storage-scalability-targets

QUESTION 203
A company wants to make use of Azure for deployment of various solutions. They want to ensure that suspicious attacks and threats to resources in their Azure account are prevented.
Which of the following helps prevent such attacks by using in-built sensors in Azure?

A. Azure AD Identity Protection
B. Azure DDoS attacks
C. Azure privileged identity management
D. Azure Advanced Threat protection

Answer: D
Explanation:

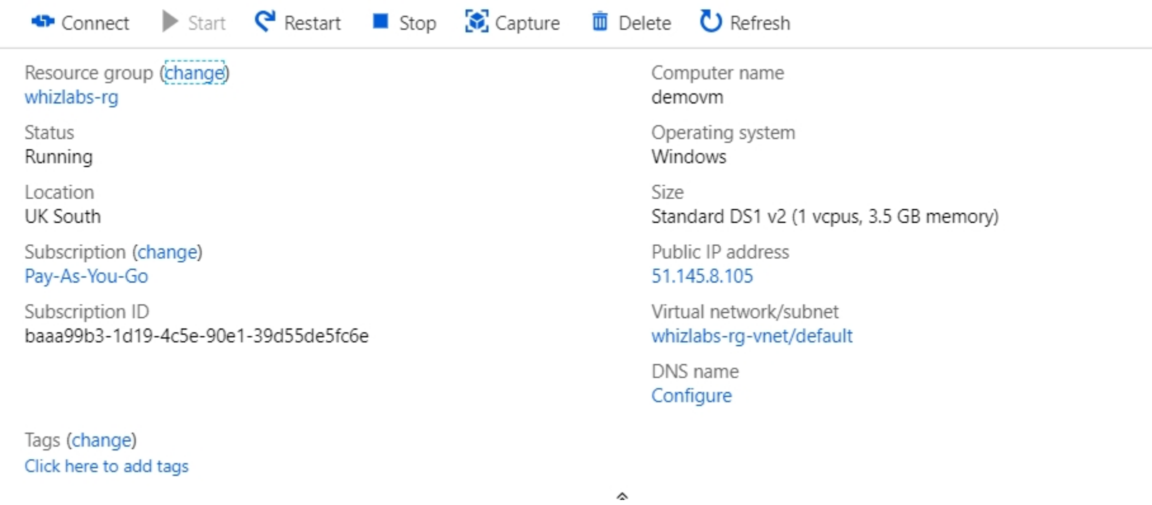


Monitor and profile user behavior and activities

Azure ATP monitors and analyzes user activities and information across your network, such as permissions and group membership, creating a behavioral baseline for each user. Azure ATP then identifies anomalies with adaptive built-in intelligence, giving you insights into suspicious activities and events, revealing the advanced threats, compromised users, and insider threats facing your organization. Azure ATP's proprietary sensors monitor organizational domain controllers, providing a comprehensive view for all user activities from every device.

Options A and C are incorrect since these are used for protecting identities in Azure AD.
Option B is incorrect since this is a solely a solution to protect against DDoS attacks.
https://docs.microsoft.com/en-us/azure-advanced-threat-protection/what-is-atp

QUESTION 204
A company has just deployed a Virtual Machine named demovm to Azure. The overview of the Virtual Machine is shown below.


Connect
Start
Restart
Stop
Capture
Delete
Refresh

Resource group (change)
whizlabs-rg

Status
Running

Location
UK South

Subscription (change)
Pay-As-You-Go

Subscription ID
baaa99b3-1d19-4c5e-90e1-39d55de5fc6e

Tags (change)
Click here to add tags

Computer name
demovm

Operating system
Windows

Size
Standard DS1 v2 (1 vcpus, 3.5 GB memory)

Public IP address
51.145.8.105

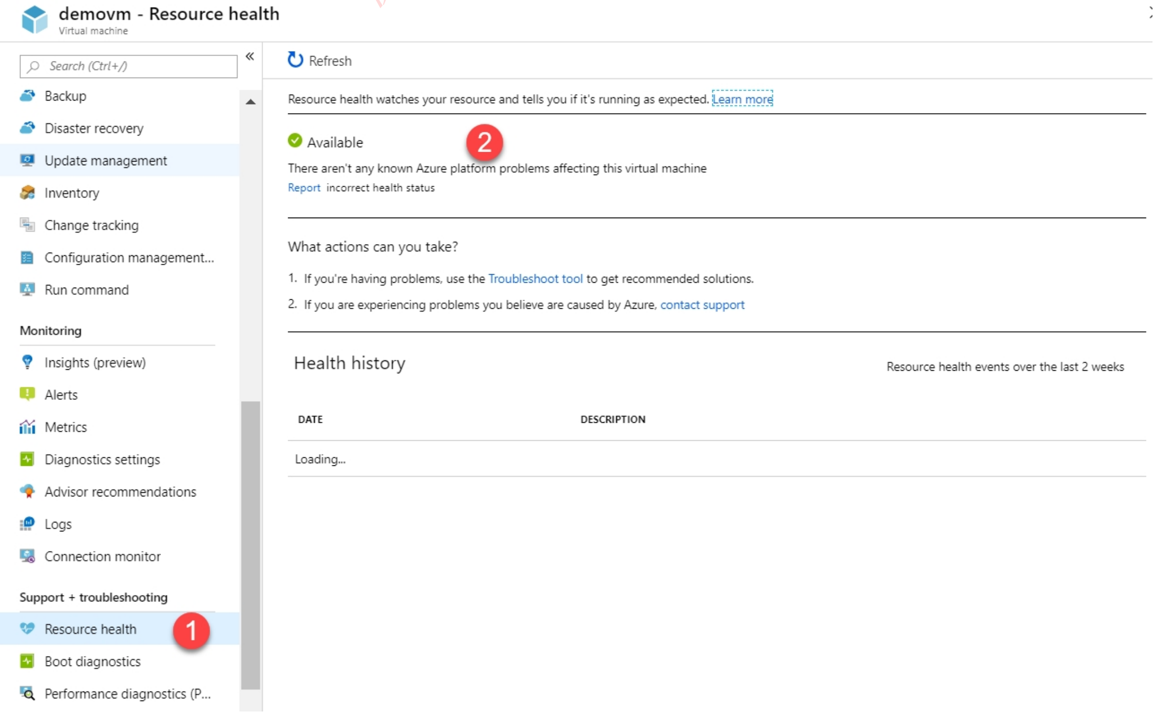
Virtual network/subnet
whizlabs-rg-vnet/default

DNS name
Configure

The company needs to know if the underlying infrastructure in Azure hosting the Virtual Machine has any issues? Where could they view such issues?

A. Azure Advisor
B. Azure AD
C. The Virtual Machine blade
D. Azure Monitor

Answer: C
Explanation:
You can see for any service health issues for the infrastructure of the Virtual Machine in the VM blade itself. Just go to Resource health as shown below:


demovm - Resource health
Virtual machine
Search (Ctrl+/)
Backup
Disaster recovery
Update management
Inventory
Change tracking
Configuration management...
Run command
Monitoring
Insights (preview)
Alerts
Metrics
Diagnostics settings
Advisor recommendations
Logs
Connection monitor
Support + troubleshooting
Resource health
1
Boot diagnostics
Performance diagnostics (P...
Refresh
2

Resource health watches your resource and tells you if it's running as expected. Learn more

Available

There aren't any known Azure platform problems affecting this virtual machine

Report incorrect health status

What actions can you take?

1. If you're having problems, use the Troubleshoot tool to get recommended solutions.
2. If you are experiencing problems you believe are caused by Azure, contact support

Health history

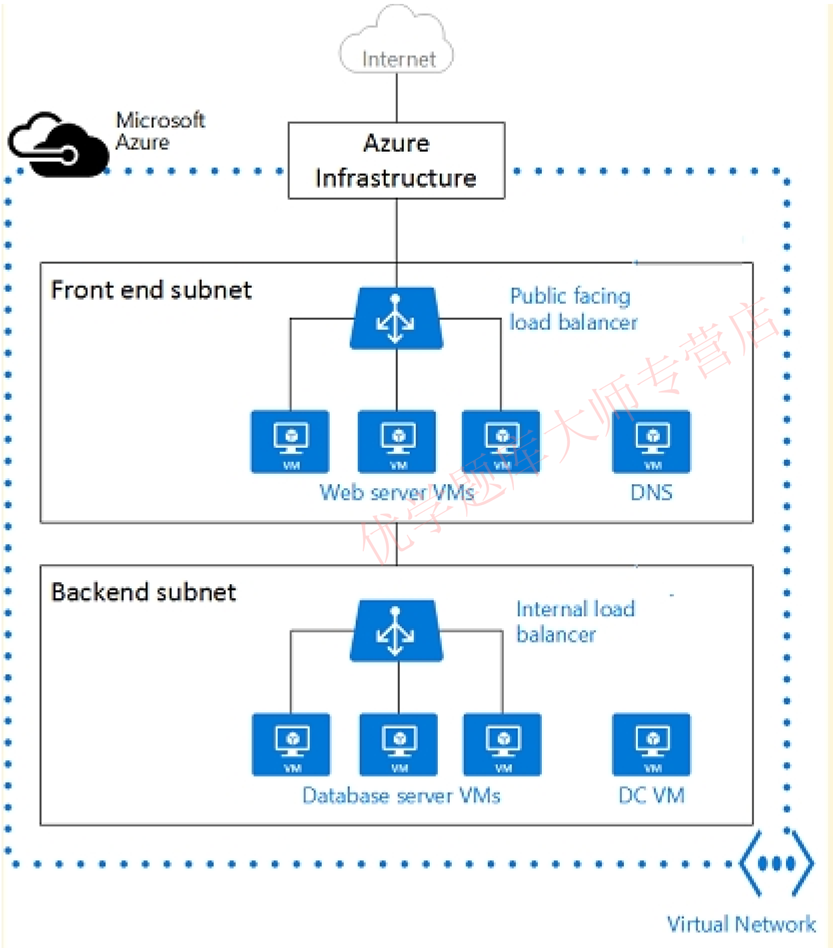
Resource health events over the last 2 weeks

DATE	DESCRIPTION
Loading...	

Option A is incorrect since this is used to provide recommendations in Azure.

Option B is incorrect since this is used for identity management.
Option D is incorrect since will give you the health of the entire Azure Infrastructure but will not specifically let you know on the infrastructure health for just the Virtual Machine.
https://docs.microsoft.com/en-us/azure/service-health/resource-health-overview

QUESTION 205
A company is planning on deploying a web server and database server as shown in the architecture diagram below.
You have to ensure that traffic restrictions are in place so that the database server can only communicate with the web server.


Internet
Microsoft
Azure
Azure
Infrastructure
Front end subnet
Public facing
load balancer
VM
VM
VM
VM
Web server VMs
DNS
Backend subnet
Internal load
balancer
VM
VM
VM
VM
Database server VMs
DC VM
Virtual Network

Which of the following would you recommend for implementing these restrictions?

A. Network security groups (NSGs)
B. Azure Service Bus
C. A local network gateway
D. A Virtual Private Gateway

Answer: A
Explanation:
You should use network security groups to allow or deny traffic within subnets.
Option B is incorrect since this is used as a messaging system.

Option C is incorrect since this is used to represent a VPN device in a Site-to-Site VPN connection.
Option D is incorrect since this is normally used to connect networks together via the Internet.
https://docs.microsoft.com/en-us/azure/virtual-network/virtual-network-vnet-plan-design-arm

QUESTION 206
A company wants to make use of an Azure service in private preview. Are Azure services in private preview available to all customers?

A. Yes
B. No

Answer: B
Explanation:
https://azure.microsoft.com/en-us/services/preview/

QUESTION 207
You plan to deploy several Azure virtual machines.
You need to control the ports that devices on the internet can use to access the virtual machines.
What should you use?

A. an Azure Active Directory (AzureAD) role
B. an Azure key vault
C. an Azure Active Directory group
D. a network security group (NSG)

Answer: D
Explanation:
A network security group works like a firewall. You can attach a network security group to a virtual network and/or individual subnets within the virtual network. You can also attach a network security group to a network interface assigned to a virtual machine. You can use multiple network security groups within a virtual network to restrict traffic between resources such as virtual machines and subnets.
You can filter network traffic to and from Azure resources in an Azure virtual network with a network security group. A network security group contains security rules that allow or deny inbound network traffic to, or outbound network traffic from, several types of Azure resources.
References:
https://docs.microsoft.com/en-us/azure/virtual-network/security-overview

QUESTION 208
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.
Which three computers can run the script? Each correct answer presents a complete solution
NOTE: Each correct selection is worth one point.

A. a computer that runs macOS and has PowerShell Core 6.0 installed
B. a computer that runs Windows 10 and has the Azure PowerShell module installed
C. a computer that runs Chrome OS and uses Azure Cloud Shell
D. a computer that runs Linux and has the Azure CLI tools installed

Answer: ABC

QUESTION 209

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.

What are two possible solutions? Each correct answer presents a complete solution.

A. Modify a DDoS protection plan.
B. Modify an Azure firewall.
C. Modify an Azure Traffic Manager profile.
D. Modify a network security group (NGS)

Answer: BD

Explanation:

A network security group works like a firewall. You can attach a network security group to a virtual network and/or individual subnets within the virtual network. You can also attach a network security group
to a network interface assigned to a virtual machine. You can use multiple network security groups within a virtual network to restrict traffic between resources such as virtual machines and subnets.
You can filter network traffic to and from Azure resources in an Azure virtual network with a network security group. A network security group contains security rules that allow or deny inbound network traffic to, or outbound network traffic from, several types of Azure resources.
In this question, we need to add a rule to the network security group to allow the connection to the virtual machine on port 80 (HTTP).
Reference:
https://docs.microsoft.com/en-us/azure/virtual-network/security-overview

优学题库大师运营店

QUESTION 210

Your company has an Azure subscription that contains the following unused resources:

```
- 20 user accounts in Azure Active Directory (Azure AD)
- Five groups in Azure AD
- 10 public IP addresses
- 10 network interfaces
```

You need to reduce the Azure costs for the company.
Which unused resources should you remove?

A. the user accounts
B. the network interfaces
C. the public IP addresses
D. the groups

Answer: C

QUESTION 211

Which task can you perform by using Azure Advisor?

A. Integrate Active Directory and Azure Active Directory (Azure AD).
B. Estimate the costs of an Azure solution.

C. Confirm that Azure subscription security follows best practices.
D. Evaluate which on-premises resources can be migrated to Azure.

Answer: B

QUESTION 212
Your company uses management groups to manage resources in your Azure tenant more efficiently. User1 should be able to assign access and assign policies to management groups. You need to determine to which role-based access control (RBAC) role User1 should be added. Your solution should follow the principle of least privilege. To which role should you add User1?

A. User Access Administrator
B. Owner
C. Management Group Contributor
D. Contributor

Answer: A

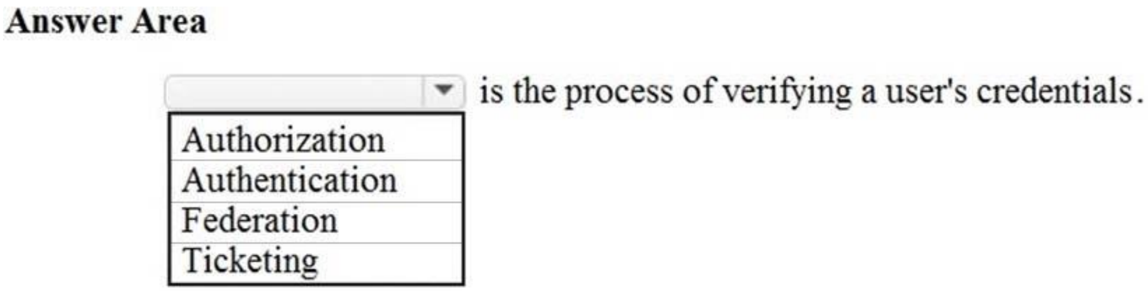
QUESTION 213
Which service provides serverless computing in Azure?

A. Azure Virtual Machines
B. Azure Functions
C. Azure storage account
D. Azure Container Instances

Answer: B
Explanation:
Azure Functions provide a 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.
References:
https://docs.microsoft.com/en-us/azure/azure-functions/

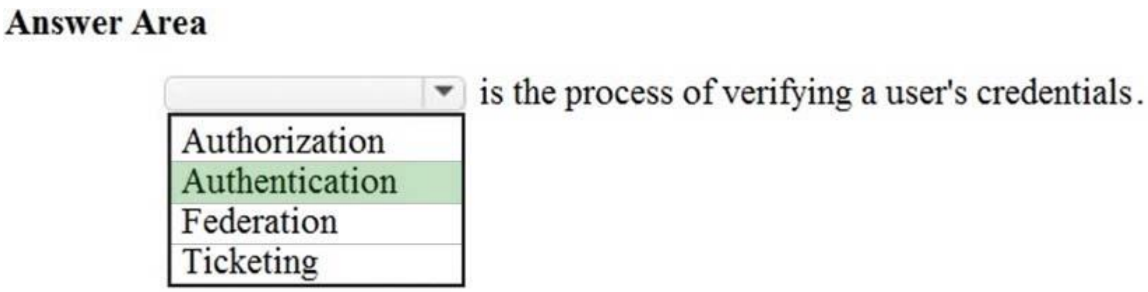
QUESTION 214
Hotspot Question

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


Answer Area

is the process of verifying a user's credentials.

Answer:



Answer Area

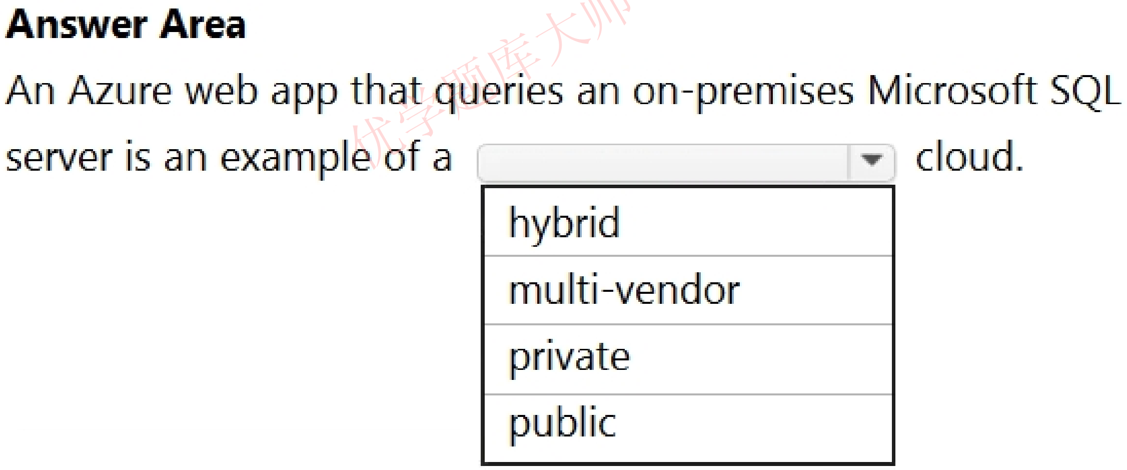
☐ ▾ is the process of verifying a user's credentials.

Authorization
Authentication
Federation
Ticketing

Explanation:
Authentication, not authorization is the process of verifying a user's credentials.
The difference between authentication and authorization is:
Authentication is proving your identity, proving that you are who you say you are. The most common example of this is logging in to a system by providing credentials such as a username and password. Authorization is what you're allowed to do once you've been authenticated. For example, what resources you're allowed to access and what you can do with those resources.

QUESTION 215
Hotspot Question

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

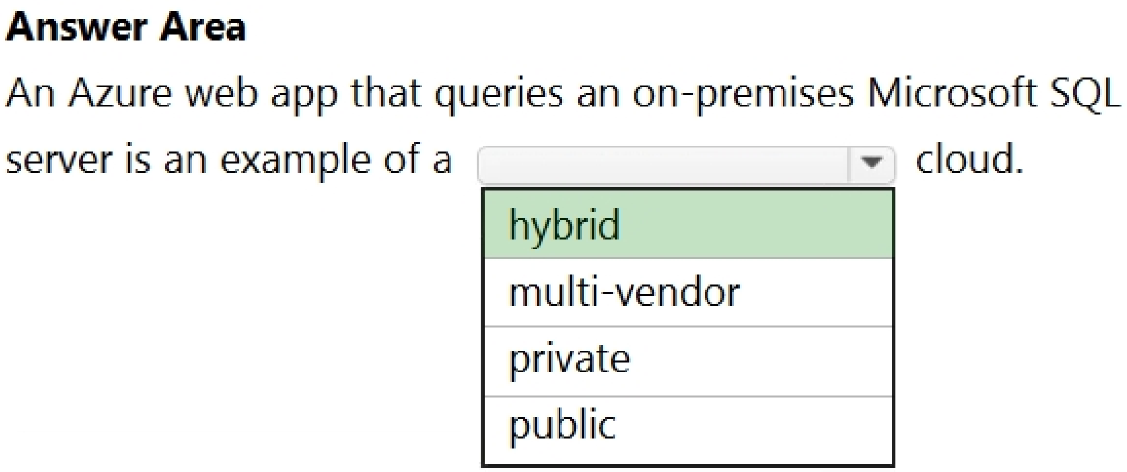


Answer Area

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

hybrid
multi-vendor
private
public

Answer:



Answer Area

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

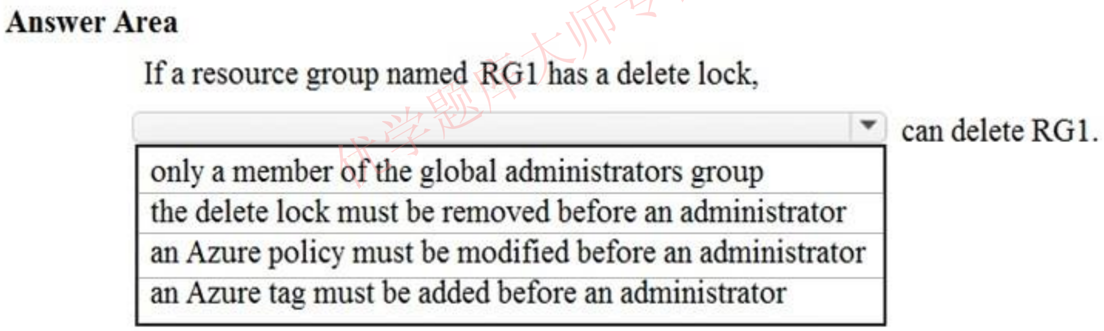
- hybrid
- multi-vendor
- private
- public

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

QUESTION 216
Hotspot Question

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

伴学题库大师专营店



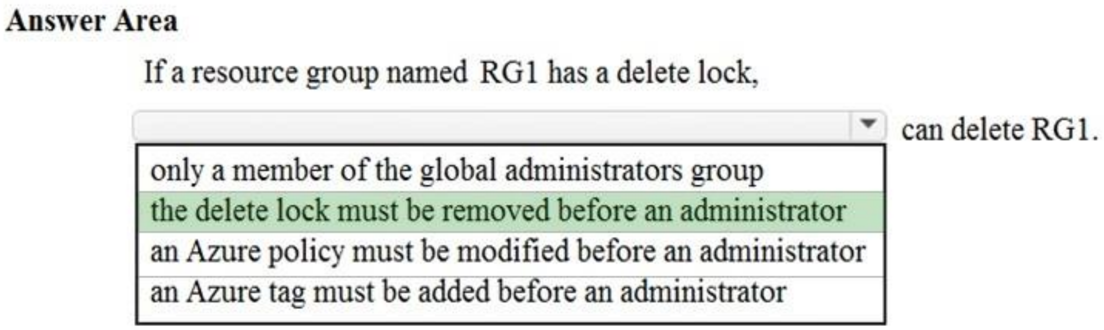
Answer Area

If a resource group named RG1 has a delete lock,

▾ can delete RG1.

- only a member of the global administrators group
- the delete lock must be removed before an administrator
- an Azure policy must be modified before an administrator
- an Azure tag must be added before an administrator

Answer:



Answer Area

If a resource group named RG1 has a delete lock,

▾ can delete RG1.

- only a member of the global administrators group
- the delete lock must be removed before an administrator
- an Azure policy must be modified before an administrator
- an Azure tag must be added before an administrator

Explanation:
You can configure a lock on a resource group to prevent the accidental deletion of the resource group. The lock applies to everyone, including global administrators. If you want to delete the resource group, the lock must be removed first.

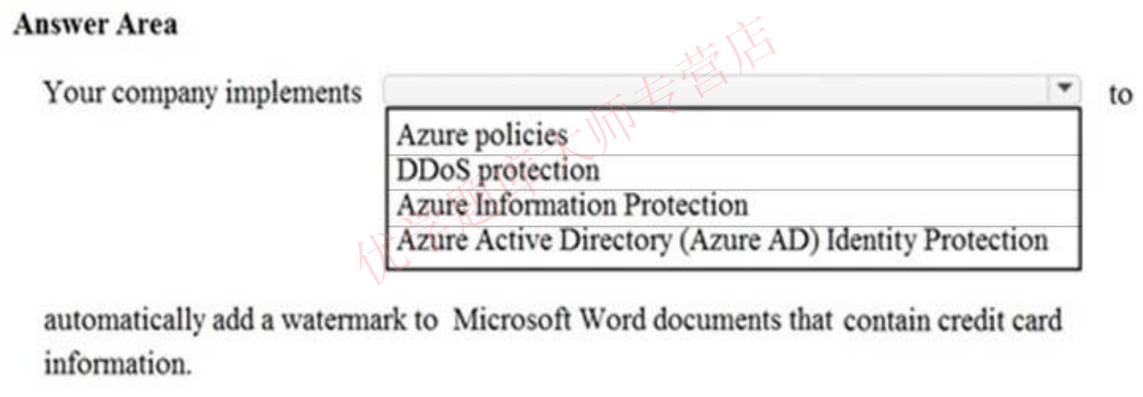
As an administrator, you may need to lock a subscription, resource group, or resource to prevent other users in your organization from accidentally deleting or modifying critical resources. You can set the lock level to CanNotDelete or ReadOnly. In the portal, the locks are called Delete and Read-only respectively.

CanNotDelete means authorized users can still read and modify a resource, but they can't delete the resource.
ReadOnly means authorized users can read a resource, but they can't delete or update the resource.
Applying this lock is similar to restricting all authorized users to the permissions granted by the Reader role.

Reference:
https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-group-lock-resources

QUESTION 217
Hotspot Question

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

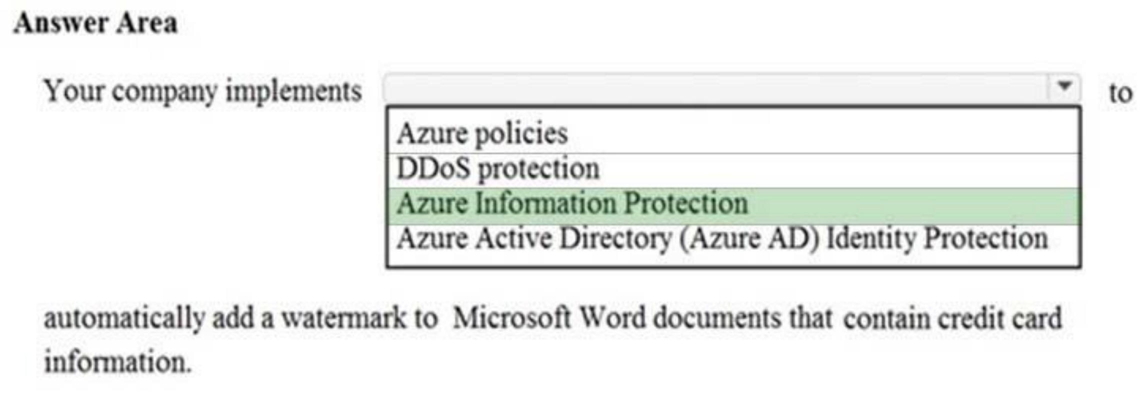


Answer Area

Your company implements ▾ to automatically add a watermark to Microsoft Word documents that contain credit card information.

Azure policies
DDoS protection
Azure Information Protection
Azure Active Directory (Azure AD) Identity Protection

Answer:



Answer Area

Your company implements ▾ to automatically add a watermark to Microsoft Word documents that contain credit card information.

Azure policies
DDoS protection
Azure Information Protection
Azure Active Directory (Azure AD) Identity Protection

Explanation:
Azure Information Protection is used to automatically add a watermark to Microsoft Word documents that contain credit card information.

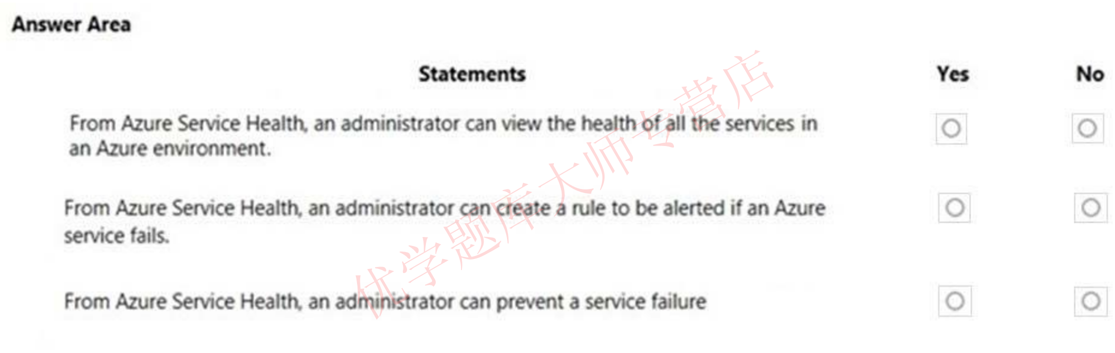
You use Azure Information Protection labels to apply classification to documents and emails. When you do this, the classification is identifiable regardless of where the data is stored or with whom it's shared. The labels can include visual markings such as a header, footer, or watermark.

Labels can be applied automatically by administrators who define rules and conditions, manually by users, or a combination where users are given recommendations. In this question, we would configure a label to be automatically applied to Microsoft Word documents that contain credit card information. The label would then add the watermark to the documents.

Reference:
https://docs.microsoft.com/en-us/azure/information-protection/what-is-information-protection
https://docs.microsoft.com/en-us/azure/information-protection/infoprotect-quick-start-tutorial

QUESTION 218
Hotspot Question

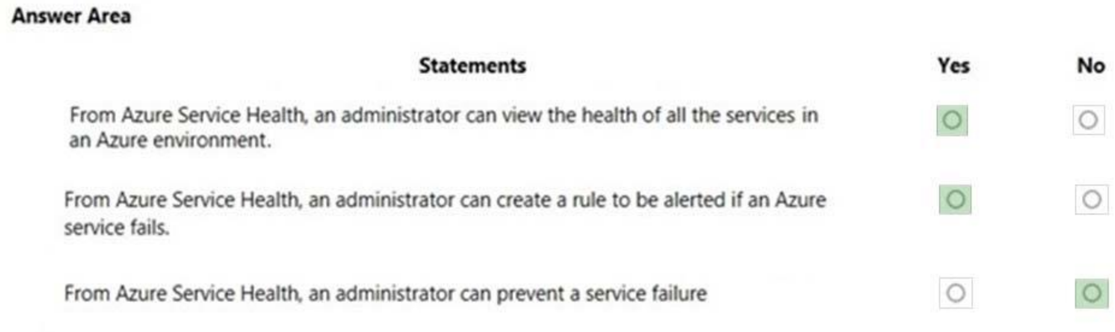
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.



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	○	○

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	○	●

Explanation:
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.

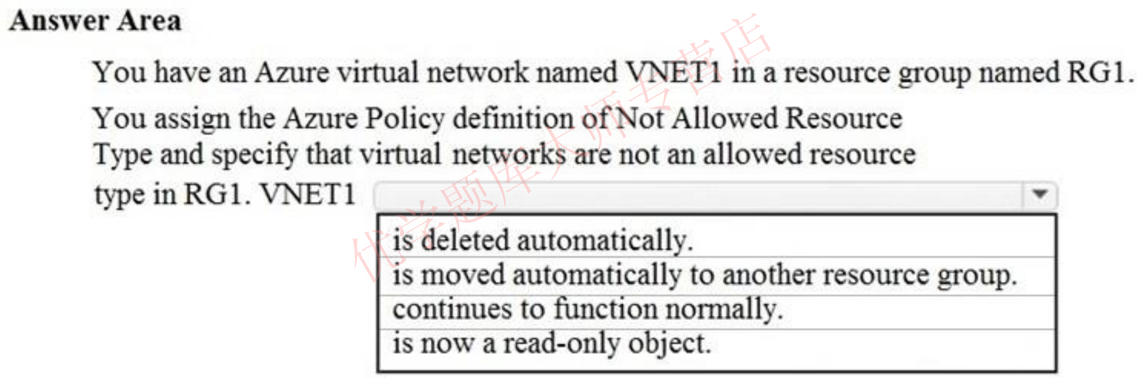
Box 2: Yes
The best way to use Service Health is to set up Service Health alerts to notify you via your preferred communication channels when service issues, planned maintenance, or other changes may affect the Azure services and regions you use.

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

QUESTION 219
Hotspot Question

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



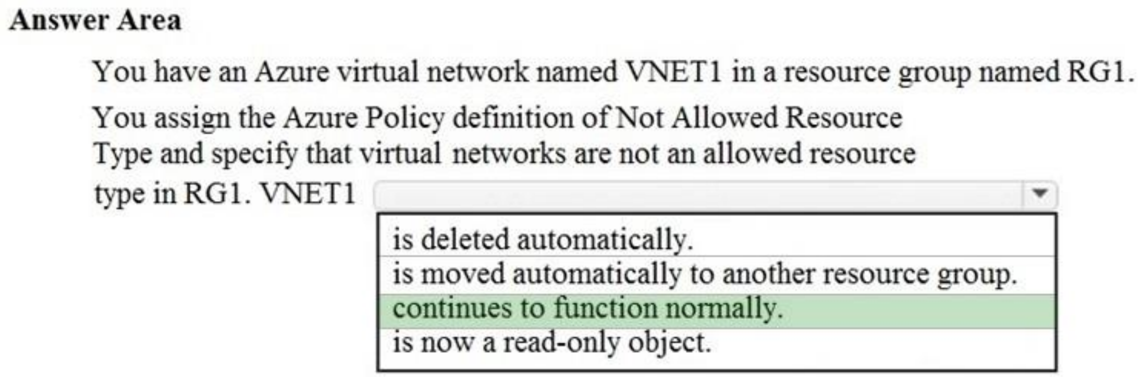
Answer Area

You have an Azure virtual network named VNET1 in a resource group named RG1.

You assign the Azure Policy definition of Not Allowed Resource Type and specify that virtual networks are not an allowed resource type in RG1. VNET1

- is deleted automatically.
- is moved automatically to another resource group.
- continues to function normally.
- is now a read-only object.

Answer:



Answer Area

You have an Azure virtual network named VNET1 in a resource group named RG1.

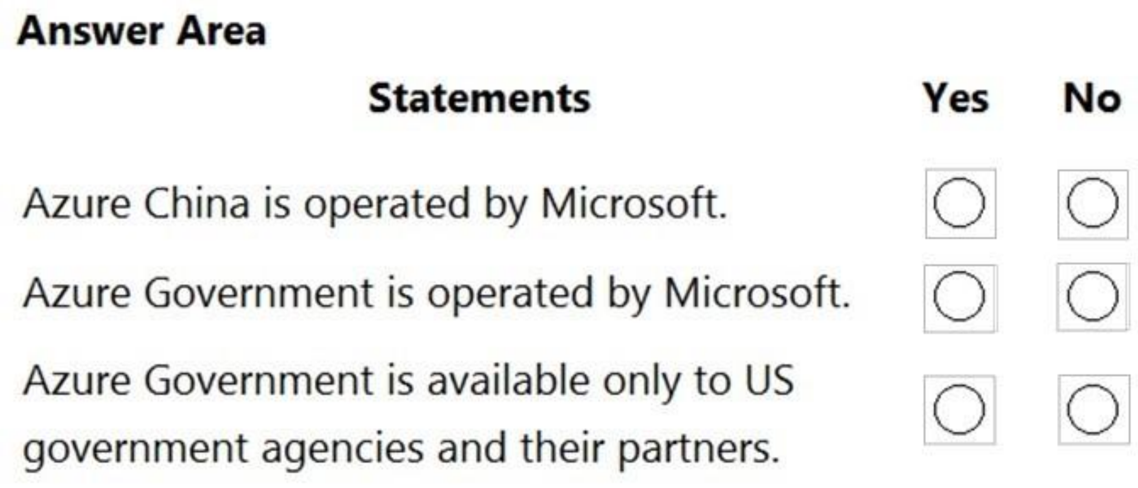
You assign the Azure Policy definition of Not Allowed Resource Type and specify that virtual networks are not an allowed resource type in RG1. VNET1

- is deleted automatically.
- is moved automatically to another resource group.
- [✓ continues to function normally.]
- is now a read-only object.

QUESTION 220
Hotspot Question

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

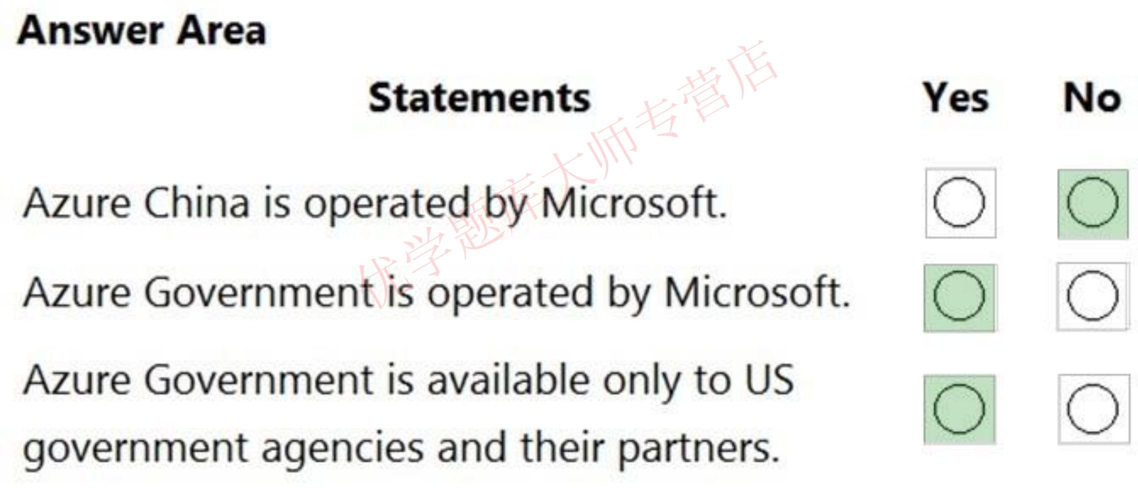
NOTE: Each correct selection is worth one point.



Answer Area

Statements	Yes	No
Azure China is operated by Microsoft.	○	○
Azure Government is operated by Microsoft.	○	○
Azure Government is available only to US government agencies and their partners.	○	○

Answer:



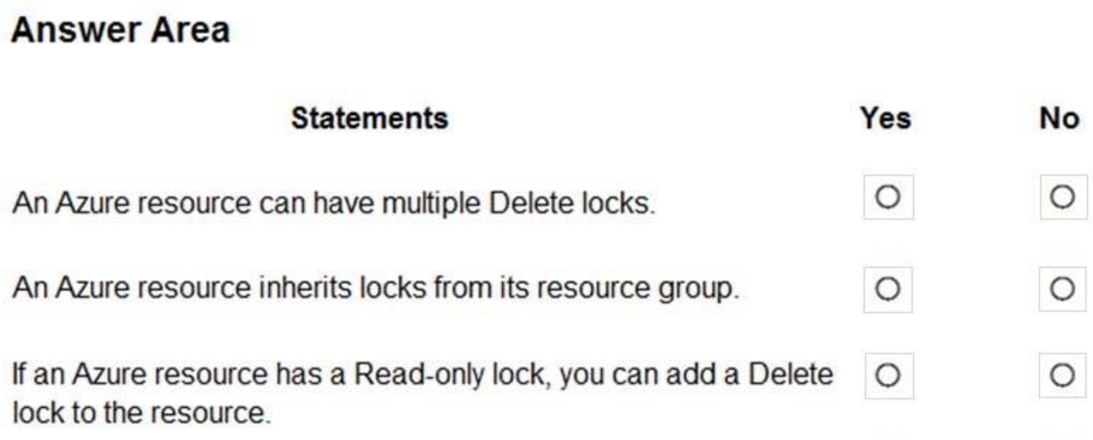
Answer Area

Statements	Yes	No
Azure China is operated by Microsoft.	○	●
Azure Government is operated by Microsoft.	●	○
Azure Government is available only to US government agencies and their partners.	●	○

Explanation:
https://docs.microsoft.com/en-us/azure/china/overview-operations
https://docs.microsoft.com/en-us/azure/azure-government/documentation-government-welcome

QUESTION 221
Hotspot Question

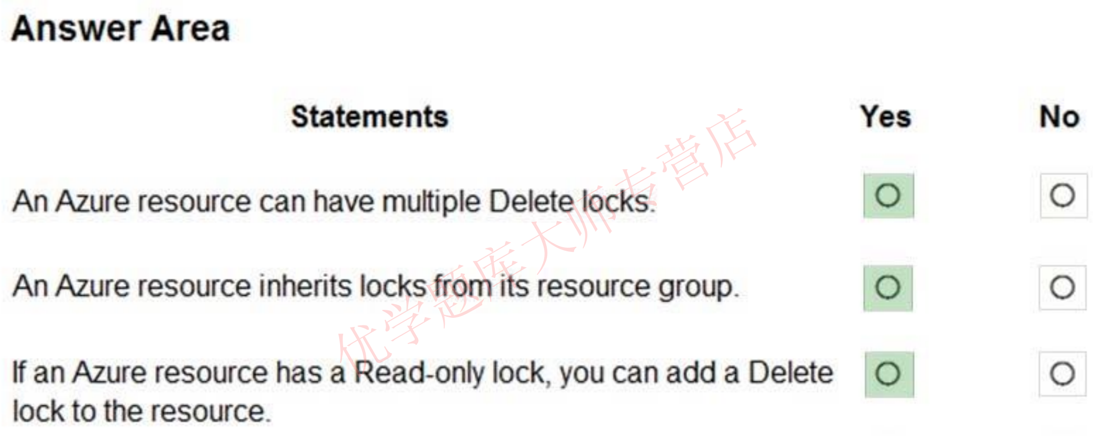
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.



Answer Area

Statements	Yes	No
An Azure resource can have multiple Delete locks.	○	○
An Azure resource inherits locks from its resource group.	○	○
If an Azure resource has a Read-only lock, you can add a Delete lock to the resource.	○	○

Answer:



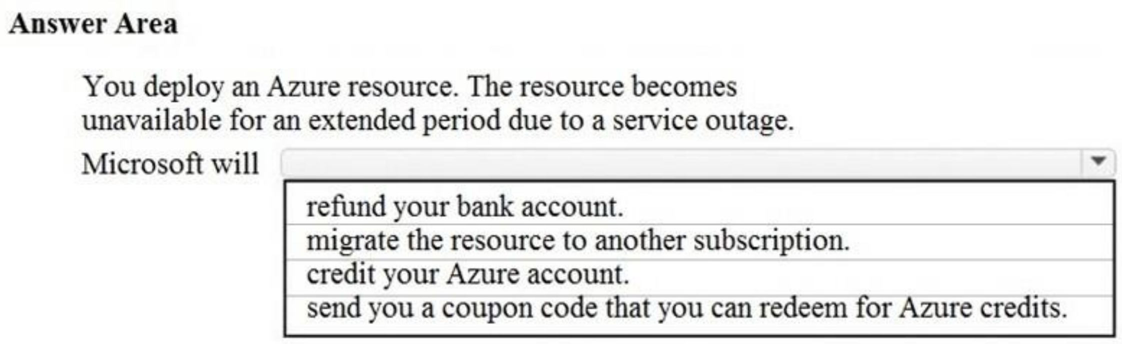
Answer Area

Statements	Yes	No
An Azure resource can have multiple Delete locks.	●	○
An Azure resource inherits locks from its resource group.	●	○
If an Azure resource has a Read-only lock, you can add a Delete lock to the resource.	●	○

Explanation:
https://docs.microsoft.com/en-us/azure/azure-resource-manager/management/lock-resources

QUESTION 222
Hotspot Question

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

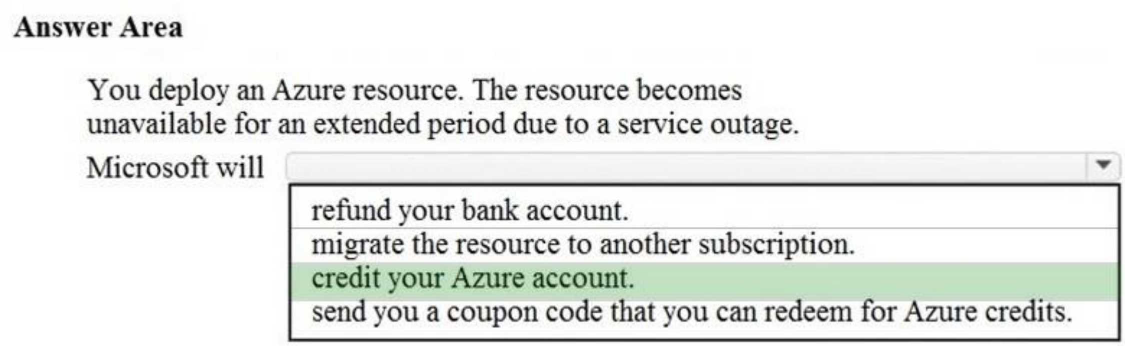


Answer Area

You deploy an Azure resource. The resource becomes unavailable for an extended period due to a service outage.
Microsoft will

- refund your bank account.
- migrate the resource to another subscription.
- credit your Azure account.
- send you a coupon code that you can redeem for Azure credits.

Answer:



Answer Area

You deploy an Azure resource. The resource becomes unavailable for an extended period due to a service outage.

Microsoft will

- refund your bank account.
- migrate the resource to another subscription.
- credit your Azure account.
- send you a coupon code that you can redeem for Azure credits.

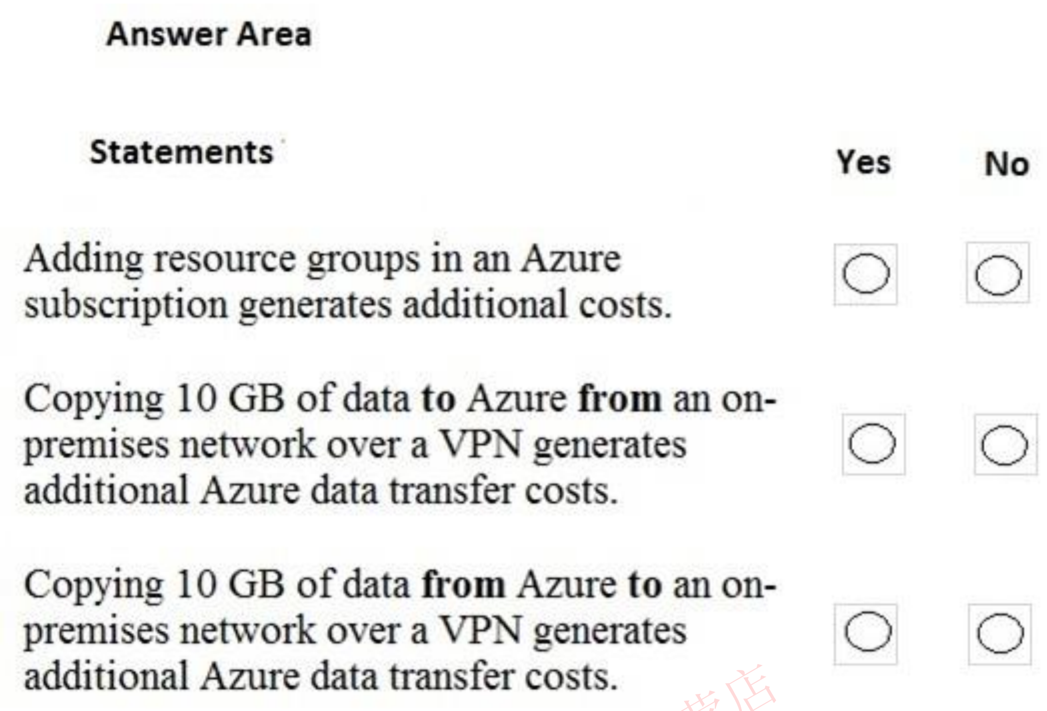
Explanation:
If the SLA for an Azure service is not met, you receive credits for that service and that service only. The credits are deducted from your monthly bill for that service. If you stopped using the service where the SLA was not met, your account would remain in credit for that service. The credits would not be applied to any other services that you may be using.

Service Credits apply only to fees paid for the particular Service, Service Resource, or Service tier for which a Service Level has not been met. In cases where Service Levels apply to individual Service Resources or to separate Service tiers, Service Credits apply only to fees paid for the affected Service Resource or Service tier, as applicable. The Service Credits awarded in any billing month for a particular Service or Service Resource will not, under any circumstance, exceed your monthly service fees for that Service or Service Resource, as applicable, in the billing month.

Reference:
https://azure.microsoft.com/en-gb/support/legal/sla/analysis-services/v1_0/

QUESTION 223
Hotspot Question

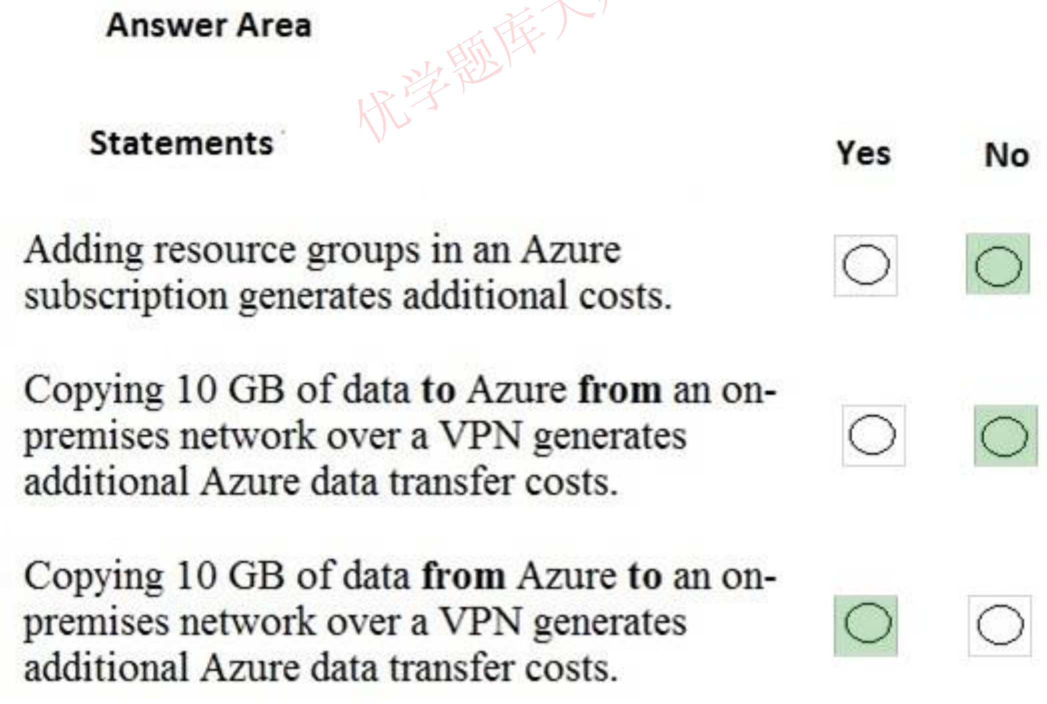
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.



Answer Area

Statements	Yes	No
Adding resource groups in an Azure subscription generates additional costs.	○	○
Copying 10 GB of data **to** Azure **from** an on-premises network over a VPN generates additional Azure data transfer costs.	○	○
Copying 10 GB of data **from** Azure **to** an on-premises network over a VPN generates additional Azure data transfer costs.	○	○

Answer:



Answer Area

Statements	Yes	No
Adding resource groups in an Azure subscription generates additional costs.	○	●
Copying 10 GB of data **to** Azure **from** an on-premises network over a VPN generates additional Azure data transfer costs.	○	●
Copying 10 GB of data **from** Azure **to** an on-premises network over a VPN generates additional Azure data transfer costs.	●	○

Explanation:
Box 1: No
Resource groups are logical containers for Azure resources. You do not pay for resource groups.

Box 2: No
Data ingress over a VPN is data ‘coming in’ to Azure over the VPN. You are not charged data

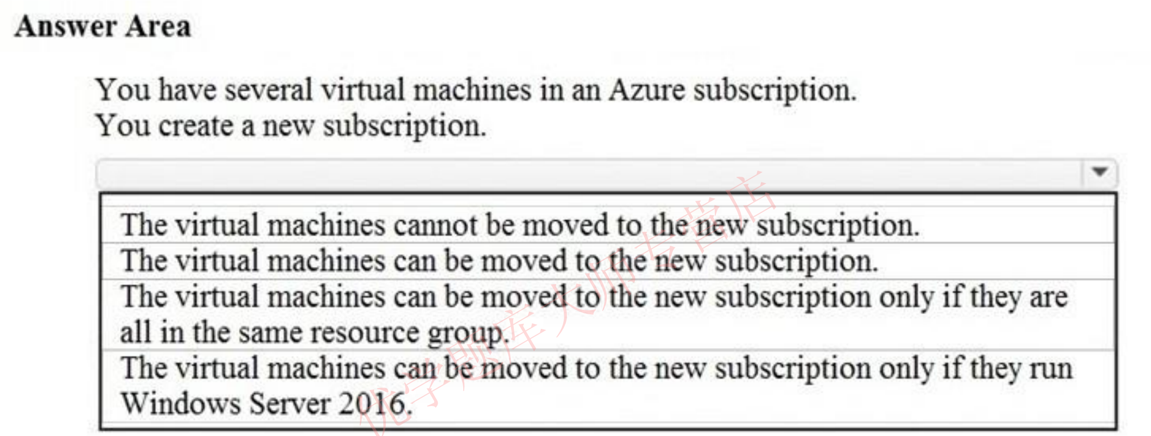
transfer costs for data ingress.

Box 3: Yes
Data egress over a VPN is data ‘going out’ of Azure over the VPN. You are charged for data egress.

Reference:
https://docs.microsoft.com/en-us/azure/azure-resource-manager/manage-resource-groups-portal
https://azure.microsoft.com/en-us/pricing/details/bandwidth/

QUESTION 224
Hotspot Question

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

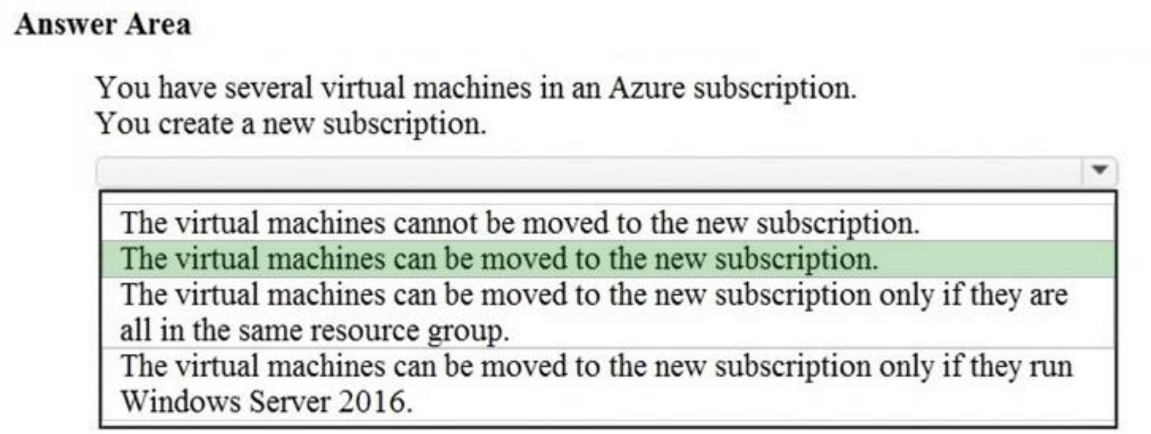


Answer Area

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.

Answer:



Answer Area

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

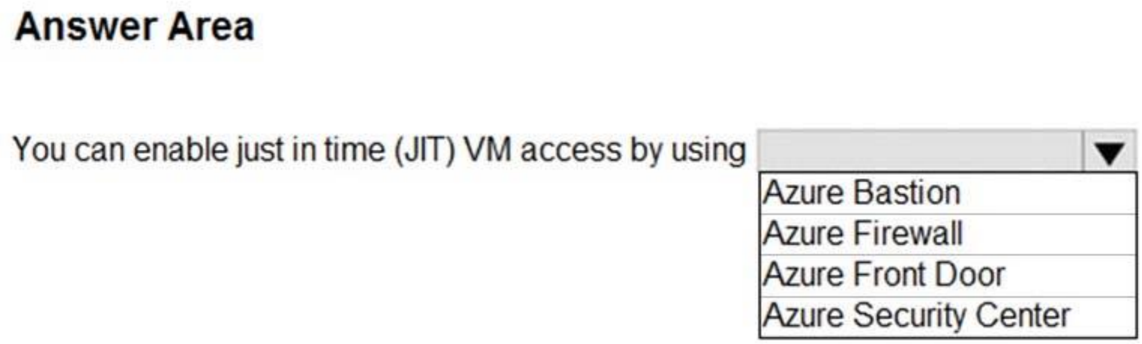
- The virtual machines cannot be moved to the new subscription.
- [✓ The virtual machines can be moved to the new subscription.]
- The virtual machines can be moved to the new subscription only if they are all in the same resource group.
- The virtual machines can be moved to the new subscription only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

Explanation:
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 225
Hotspot Question

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

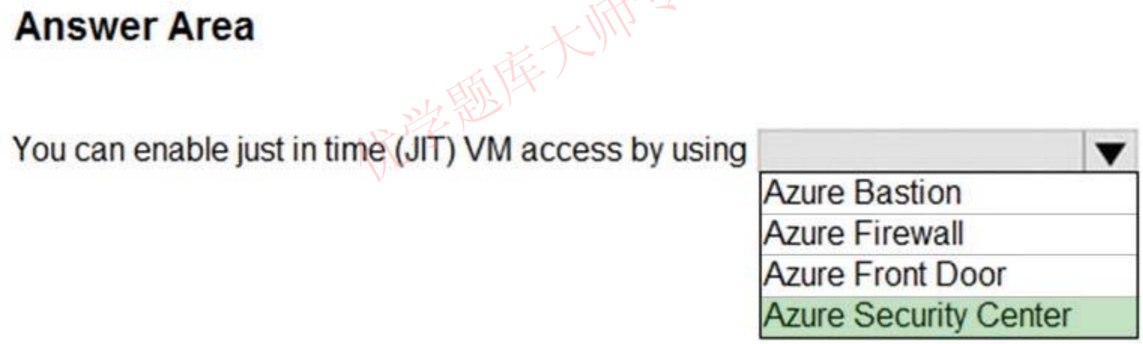


Answer Area

You can enable just in time (JIT) VM access by using

- Azure Bastion
- Azure Firewall
- Azure Front Door
- Azure Security Center

Answer:



Answer Area

You can enable just in time (JIT) VM access by using

- Azure Bastion
- Azure Firewall
- Azure Front Door
- Azure Security Center

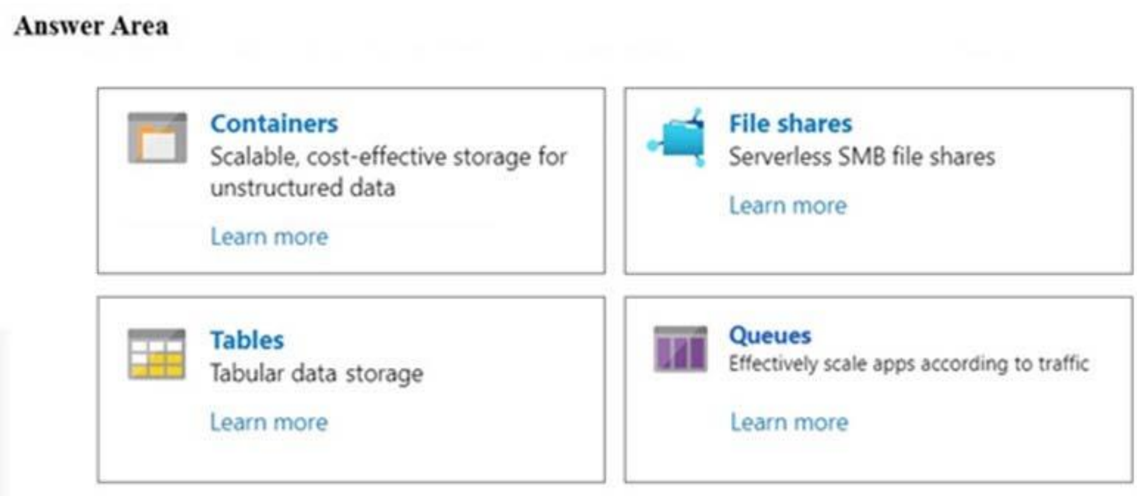
Explanation:
The just-in-time (JIT) virtual machine (VM) access feature in Azure Security Center allows you to lock down inbound traffic to your Azure Virtual Machines. This reduces exposure to attacks while providing easy access when you need to connect to a VM.

Reference:
https://docs.microsoft.com/en-us/azure/security-center/security-center-just-in-time?tabs=jit-config-asc%2Cjit-request-asc

QUESTION 226
Hotspot Question

You plan to create an Azure virtual machine.
You need to identify which storage service must be used to store the data disks of the virtual machine.

What should you identify? To answer, select the appropriate service in the answer area.



Answer Area

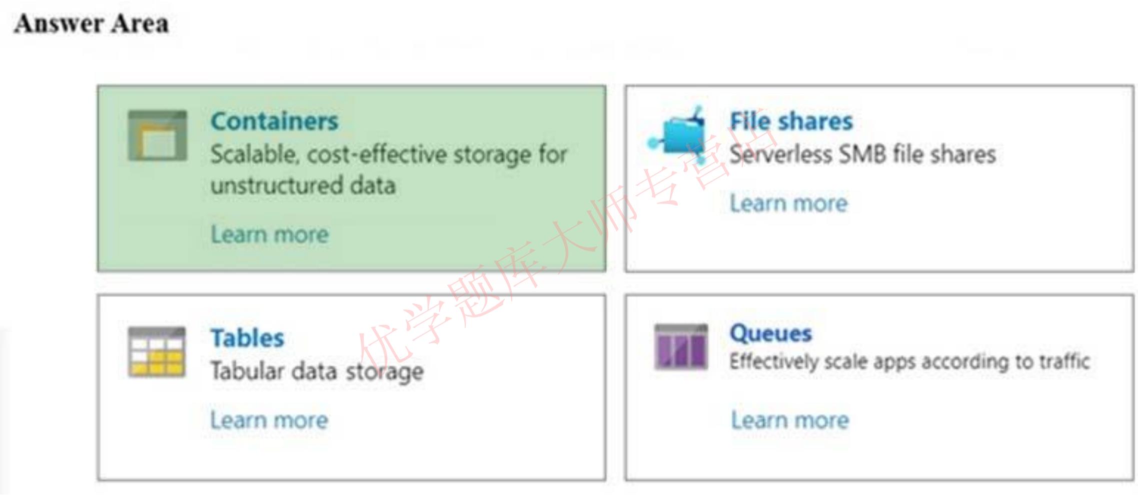
Containers
Scalable, cost-effective storage for unstructured data
Learn more

File shares
Serverless SMB file shares
Learn more

Tables
Tabular data storage
Learn more

Queues
Effectively scale apps according to traffic
Learn more

Answer:



Answer Area

Containers
Scalable, cost-effective storage for unstructured data
Learn more

File shares
Serverless SMB file shares
Learn more

Tables
Tabular data storage
Learn more

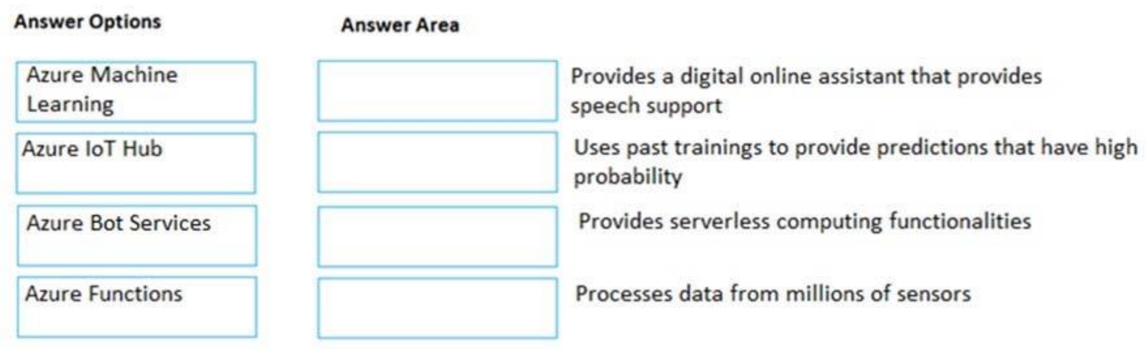
Queues
Effectively scale apps according to traffic
Learn more

Explanation:
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

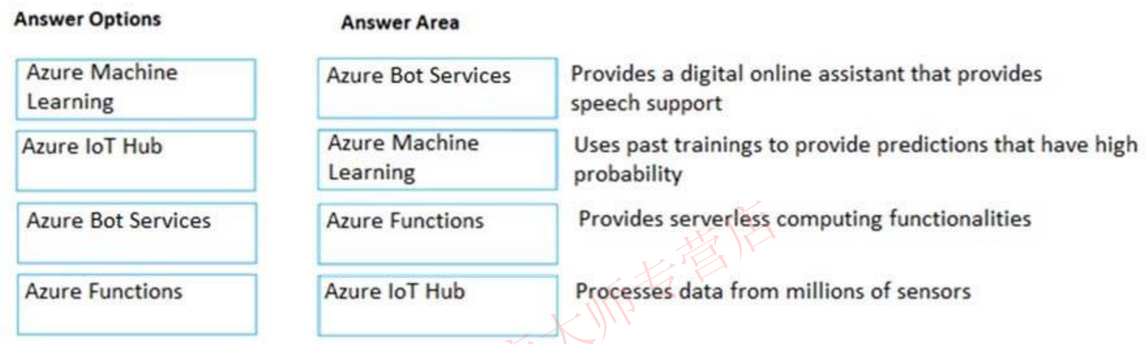
QUESTION 227
Drag and Drop Question

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.



Answer Options	Answer Area	
Azure Machine Learning		Provides a digital online assistant that provides speech support
Azure IoT Hub		Uses past trainings to provide predictions that have high probability
Azure Bot Services		Provides serverless computing functionalities
Azure Functions		Processes data from millions of sensors

Answer:



Answer Options	Answer Area	
Azure Machine Learning	Azure Bot Services	Provides a digital online assistant that provides speech support
Azure IoT Hub	Azure Machine Learning	Uses past trainings to provide predictions that have high probability
Azure Bot Services	Azure Functions	Provides serverless computing functionalities
Azure Functions	Azure IoT Hub	Processes data from millions of sensors

Explanation:

Box 1:

Azure Bot Services provides a digital online assistant that provides speech support. Bots provide an experience that feels less like using a computer and more like dealing with a person - or at least an intelligent robot. They can be used to shift simple, repetitive tasks, such as taking a dinner reservation or gathering profile information, on to automated systems that may no longer require direct human intervention. Users converse with a bot using text, interactive cards, and speech. A bot interaction can be a quick question and answer, or it can be a sophisticated conversation that intelligently provides access to services.

Box 2:

Azure Machine Learning uses past trainings to provide predictions that have high probability. Machine learning is a data science technique that allows computers to use existing data to forecast future behaviors, outcomes, and trends. By using machine learning, computers learn without being explicitly programmed.

Forecasts or predictions from machine learning can make apps and devices smarter. For example, when you shop online, machine learning helps recommend other products you might want based on what you've bought.

Box 3:

Azure Functions provides serverless computing functionalities. Azure Functions is a serverless compute service that lets you run event-triggered code without having to explicitly provision or manage infrastructure.

Box 4:

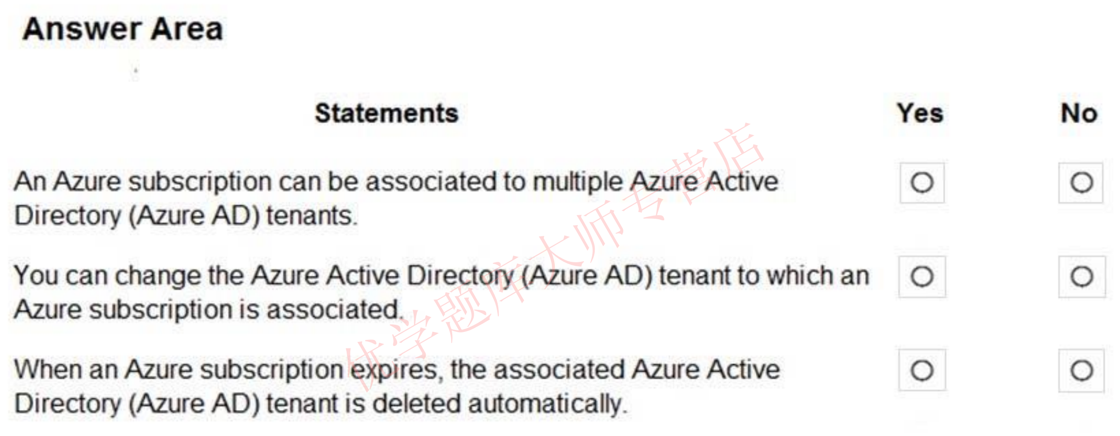
IoT Hub (Internet of things Hub) provides data from millions of sensors. IoT Hub is a managed service, hosted in the cloud, that acts as a central message hub for bi-directional communication between your IoT application and the devices it manages. You can use Azure IoT Hub to build

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.

References:
https://docs.microsoft.com/en-us/azure/bot-service/bot-service-overview-introduction?view=azure-bot- service-4.0
https://docs.microsoft.com/en-us/azure/machine-learning/overview-what-is-azure-ml
https://docs.microsoft.com/en-us/azure/azure-functions/
https://docs.microsoft.com/en-us/azure/iot-hub/about-iot-hub

QUESTION 228
Hotspot Question

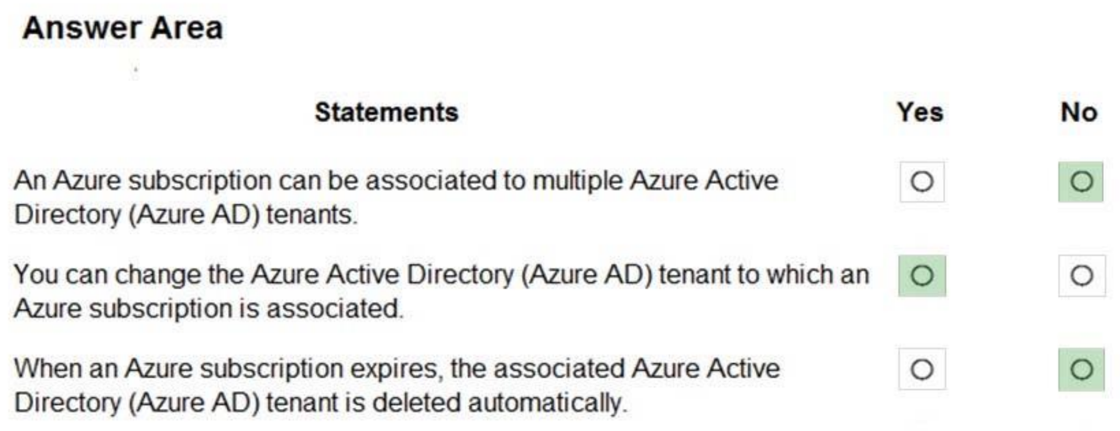
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.



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.	○	○

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.	○	[✓ ○]

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

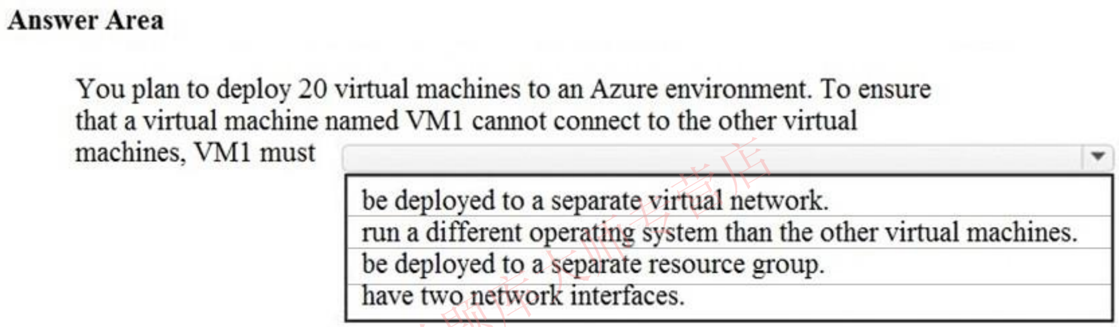
Box 2: Yes

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 229
Hotspot Question

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

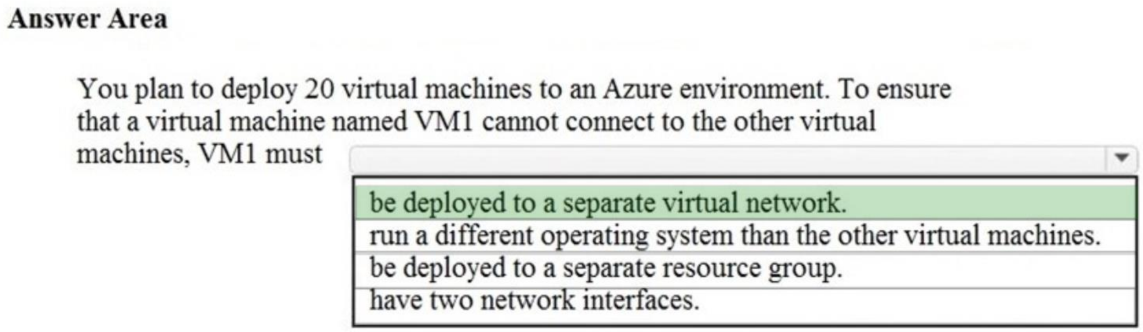


Answer Area

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.

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

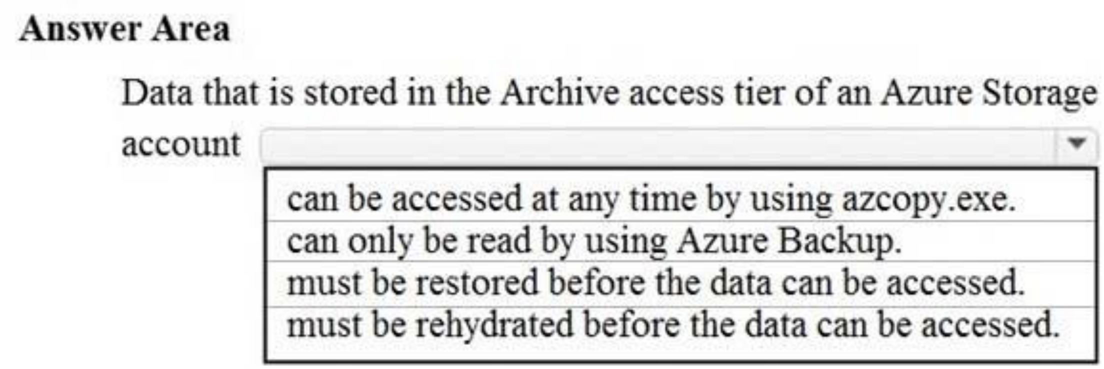
- be deployed to a separate virtual network.
- run a different operating system than the other virtual machines.
- be deployed to a separate resource group.
- have two network interfaces.

Explanation:
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 230
Hotspot Question

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

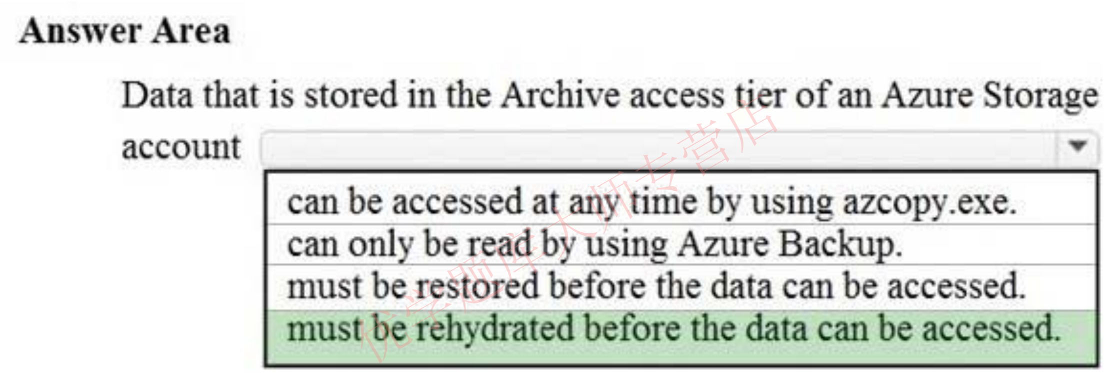


Answer Area

Data that is stored in the Archive access tier of an Azure Storage account

- can be accessed at any time by using azcopy.exe.
- can only be read by using Azure Backup.
- must be restored before the data can be accessed.
- must be rehydrated before the data can be accessed.

Answer:



Answer Area

Data that is stored in the Archive access tier of an Azure Storage account

- can be accessed at any time by using azcopy.exe.
- can only be read by using Azure Backup.
- must be restored before the data can be accessed.
- must be rehydrated before the data can be accessed.

Explanation:
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.

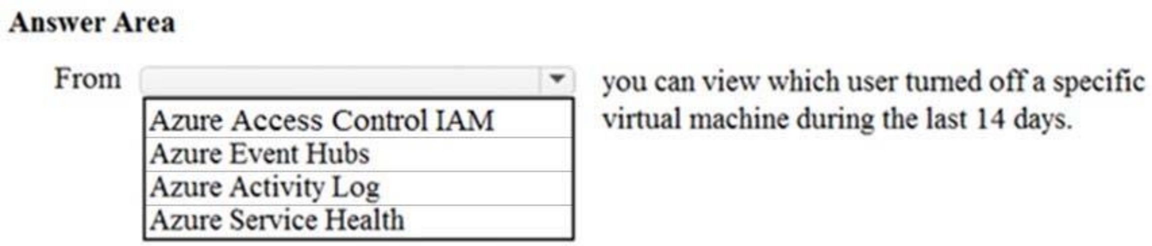
While a blob is in archive storage, the blob data is offline and can't be read, overwritten, or modified. To read or download a blob in archive, you must first rehydrate it to an online tier.

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 231
Hotspot Question

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

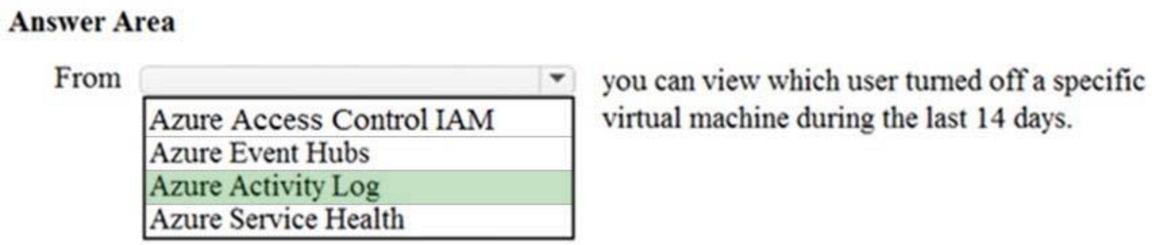


Answer Area

From [▾] you can view which user turned off a specific virtual machine during the last 14 days.

- Azure Access Control IAM
- Azure Event Hubs
- Azure Activity Log
- Azure Service Health

Answer:



Answer Area

From [▾] you can view which user turned off a specific virtual machine during the last 14 days.

- Azure Access Control IAM
- Azure Event Hubs
- Azure Activity Log 🟩
- Azure Service Health

Explanation:
You would use the Azure Activity Log, not Access Control to view which user turned off a specific virtual machine during the last 14 days.

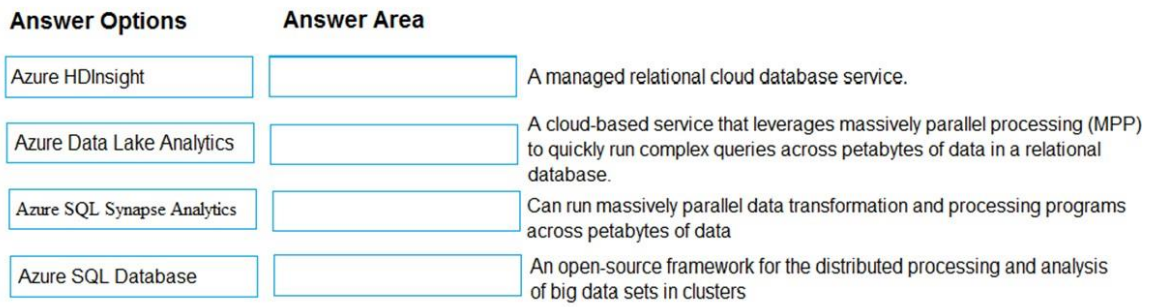
Activity logs are kept for 90 days. You can query for any range of dates, as long as the starting date isn't more than 90 days in the past.

In this question, we would create a filter to display shutdown operations on the virtual machine in the last 14 days.

Reference:
https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-group-audit

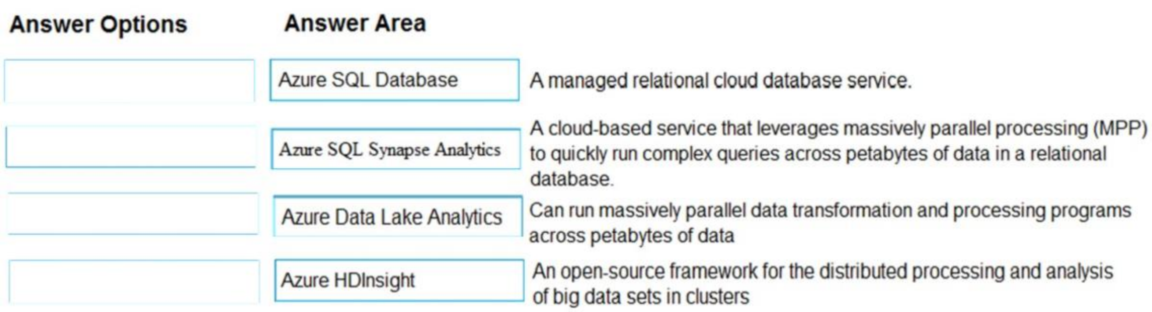
QUESTION 232
Drag and Drop Question

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.



Answer Options	Answer Area	
Azure HDInsight		A managed relational cloud database service.
Azure Data Lake Analytics		A cloud-based service that leverages massively parallel processing (MPP) to quickly run complex queries across petabytes of data in a relational database.
Azure SQL Synapse Analytics		Can run massively parallel data transformation and processing programs across petabytes of data
Azure SQL Database		An open-source framework for the distributed processing and analysis of big data sets in clusters

Answer:



Answer Options	Answer Area	
	Azure SQL Database	A managed relational cloud database service.
	Azure SQL Synapse Analytics	A cloud-based service that leverages massively parallel processing (MPP) to quickly run complex queries across petabytes of data in a relational database.
	Azure Data Lake Analytics	Can run massively parallel data transformation and processing programs across petabytes of data
	Azure HDInsight	An open-source framework for the distributed processing and analysis of big data sets in clusters

Explanation:
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.

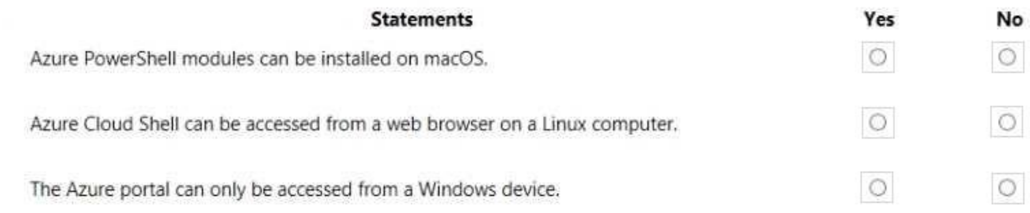
Box 4: Azure HDInsight.
Apache Hadoop was the original open-source framework for distributed processing and analysis of big data sets on clusters. The Hadoop ecosystem includes related software and utilities, including Apache Hive, Apache HBase, Spark, Kafka, and many others.

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/

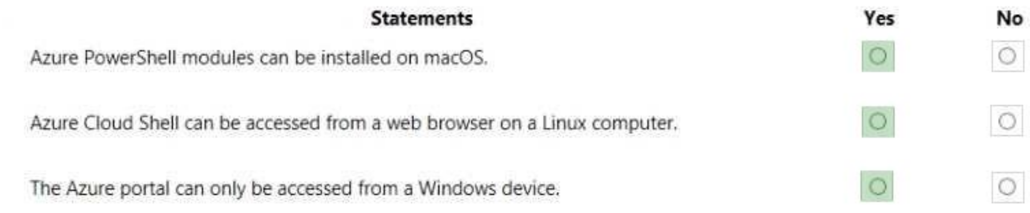
QUESTION 233
Hotspot Question

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



Statements	Yes	No
Azure PowerShell modules can be installed on macOS.	○	○
Azure Cloud Shell can be accessed from a web browser on a Linux computer.	○	○
The Azure portal can only be accessed from a Windows device.	○	○

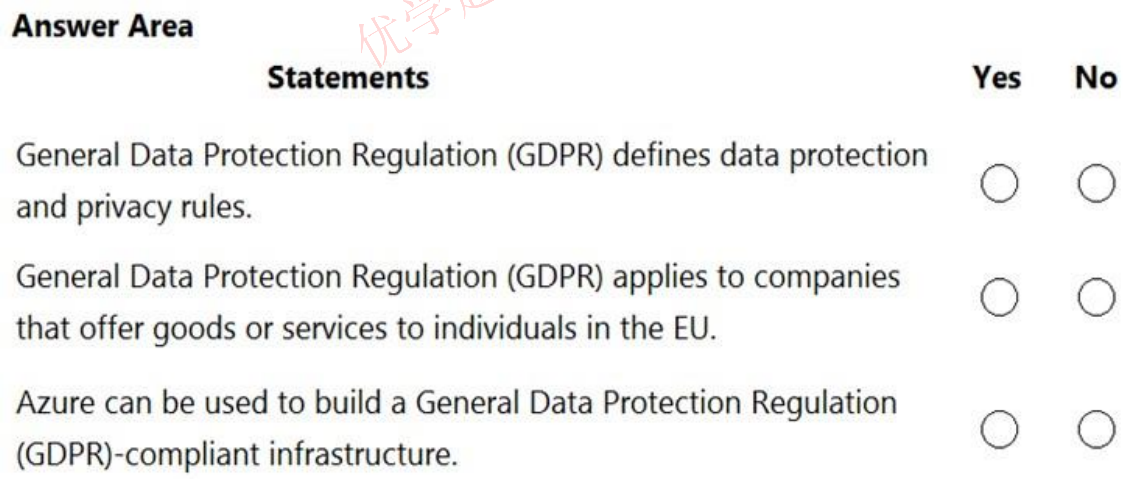
Answer:



Statements	Yes	No
Azure PowerShell modules can be installed on macOS.	●	○
Azure Cloud Shell can be accessed from a web browser on a Linux computer.	●	○
The Azure portal can only be accessed from a Windows device.	●	○

QUESTION 234
Hotspot Question

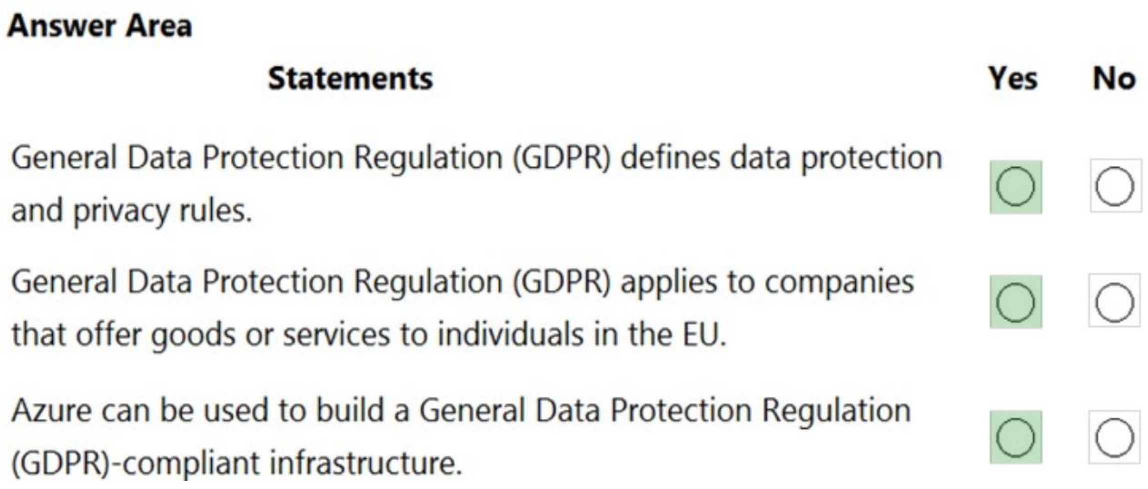
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE:
Each correct selection is worth one point.



Answer Area

Statements	Yes	No
General Data Protection Regulation (GDPR) defines data protection and privacy rules.	○	○
General Data Protection Regulation (GDPR) applies to companies that offer goods or services to individuals in the EU.	○	○
Azure can be used to build a General Data Protection Regulation (GDPR)-compliant infrastructure.	○	○

Answer:



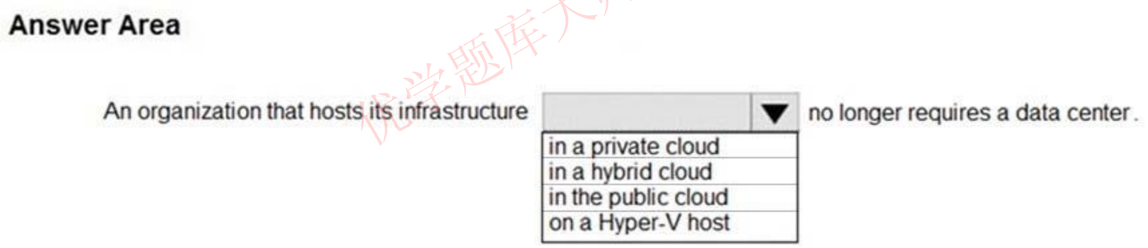
Answer Area

Statements	Yes	No
General Data Protection Regulation (GDPR) defines data protection and privacy rules.	[✓ ○]	○
General Data Protection Regulation (GDPR) applies to companies that offer goods or services to individuals in the EU.	[✓ ○]	○
Azure can be used to build a General Data Protection Regulation (GDPR)-compliant infrastructure.	[✓ ○]	○

Explanation:
https://azure.microsoft.com/en-gb/blog/new-capabilities-to-enable-robust-gdpr-compliance/

QUESTION 235
Hotspot Question

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

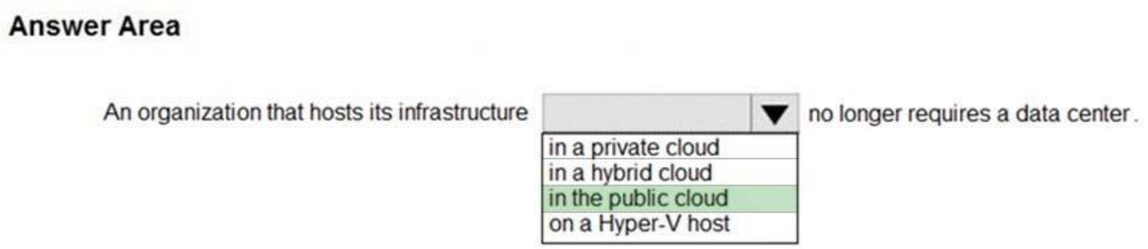


Answer Area

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

Answer:



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

Explanation:
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.

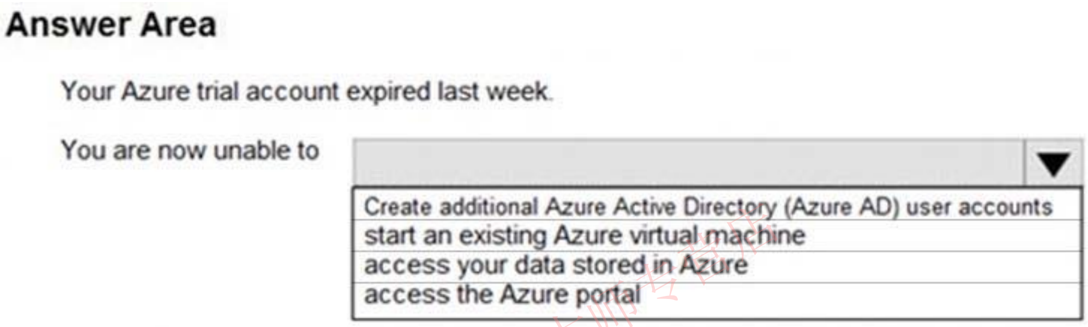
Public cloud is the most common deployment model. In this case, you have no local hardware to manage or keep up-to-date everything runs on your cloud provider's hardware.
Microsoft Azure is an example of a public cloud provider.

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

QUESTION 236
Hotspot Question

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



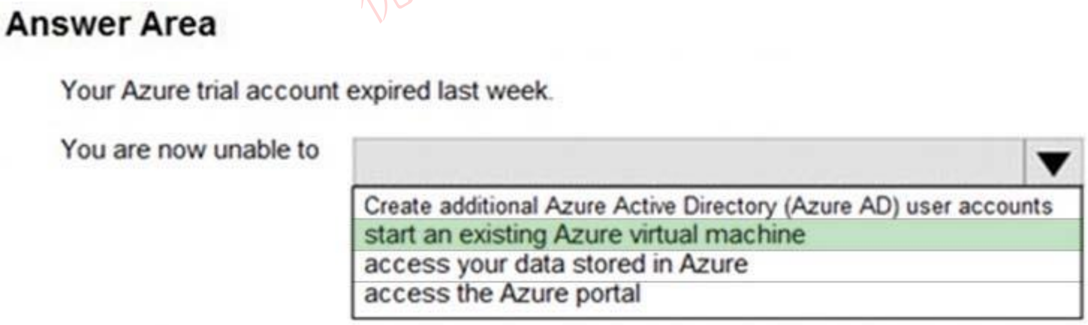
Answer Area

Your Azure trial account expired last week.

You are now unable to ▼

- Create additional Azure Active Directory (Azure AD) user accounts
- start an existing Azure virtual machine
- access your data stored in Azure
- access the Azure portal

Answer:



Answer Area

Your Azure trial account expired last week.

You are now unable to ▼

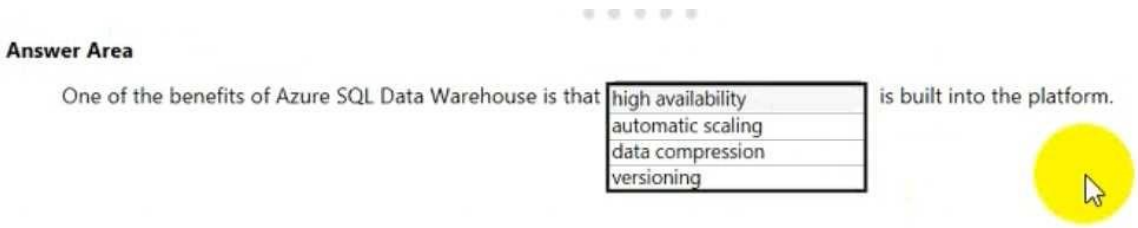
- Create additional Azure Active Directory (Azure AD) user accounts
- start an existing Azure virtual machine ✓
- access your data stored in Azure
- access the Azure portal

Explanation:
A stopped (deallocated) VM is offline and not mounted on an Azure host server. Starting a VM mounts the VM on a host server before the VM starts. As soon as the VM is mounted, it becomes chargeable. For this reason, you are unable to start a VM after a trial has expired.

Incorrect Answers:
You are not charged for Azure Active Directory user accounts so you can continue to create accounts.
You can access data that is already stored in Azure.
You can access the Azure Portal. You can also reactivate and upgrade the expired subscription in the portal.

QUESTION 237
Hotspot Question

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

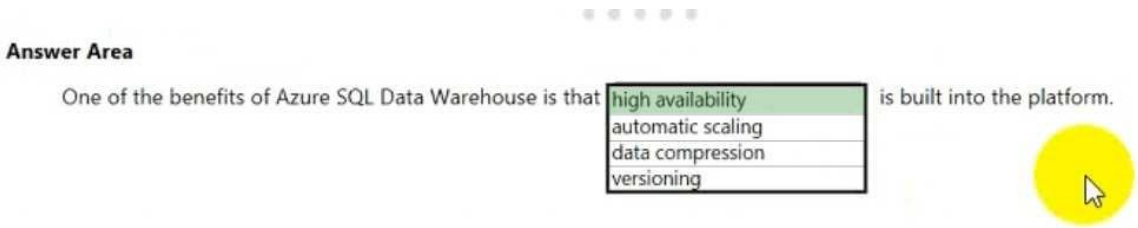


Answer Area

One of the benefits of Azure SQL Data Warehouse is that [high availability / automatic scaling / data compression / versioning] is built into the platform.

- high availability
- automatic scaling
- data compression
- versioning

Answer:



Answer Area

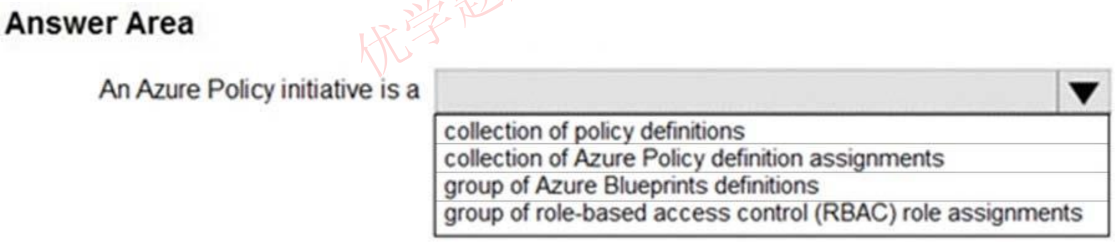
One of the benefits of Azure SQL Data Warehouse is that [high availability / automatic scaling / data compression / versioning] is built into the platform.

- high availability
- automatic scaling
- data compression
- versioning

QUESTION 238

Hotspot Question

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

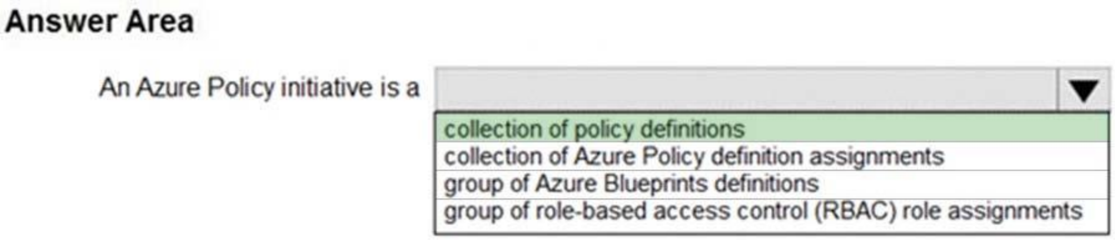


Answer Area

An Azure Policy initiative is a

- collection of policy definitions
- collection of Azure Policy definition assignments
- group of Azure Blueprints definitions
- group of role-based access control (RBAC) role assignments

Answer:



Answer Area

An Azure Policy initiative is a

- collection of policy definitions
- collection of Azure Policy definition assignments
- group of Azure Blueprints definitions
- group of role-based access control (RBAC) role assignments

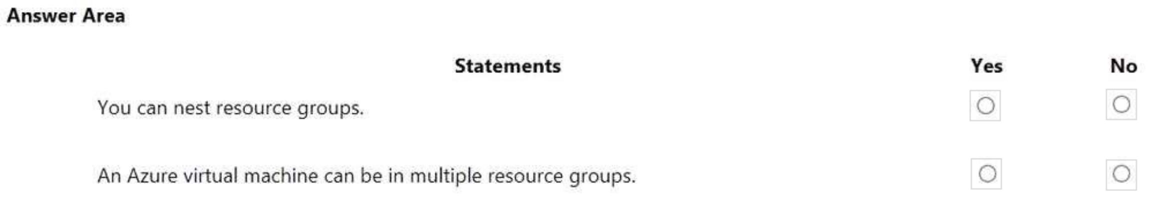
Explanation:

https://docs.microsoft.com/en-us/azure/governance/policy/overview

QUESTION 239

Hotspot Question

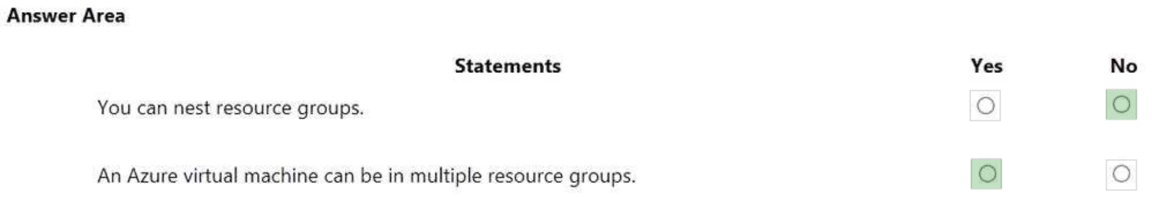
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point



Answer Area

Statements	Yes	No
You can nest resource groups.	○	○
An Azure virtual machine can be in multiple resource groups.	○	○

Answer:



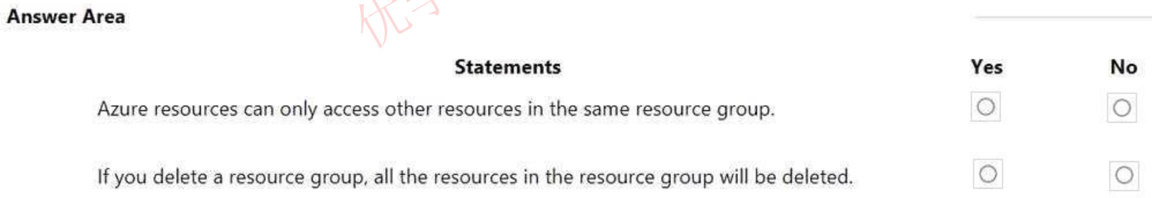
Answer Area

Statements	Yes	No
You can nest resource groups.	○	●
An Azure virtual machine can be in multiple resource groups.	●	○

QUESTION 240

Hotspot Question

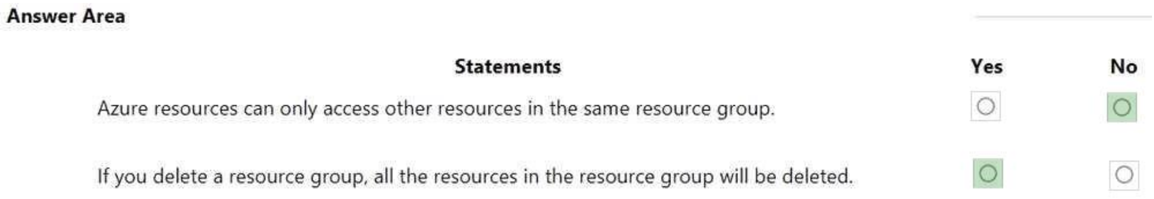
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE:
Each correct selection is worth one point.



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.	○	○

Answer:



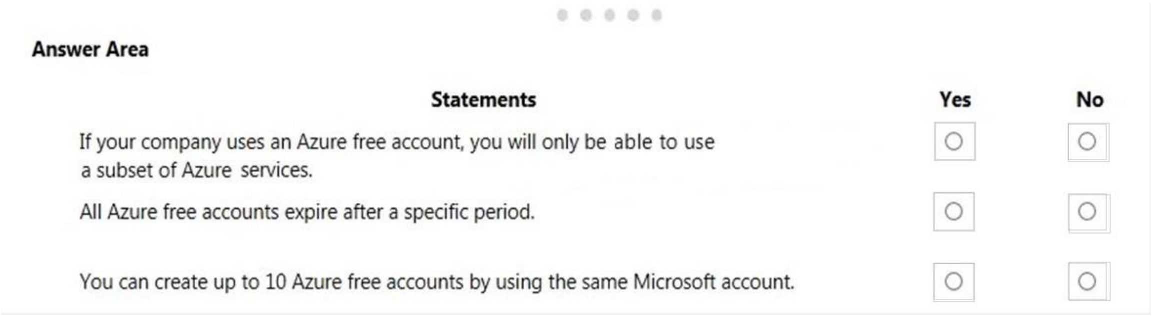
Answer Area

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.	●	○

QUESTION 241

Hotspot Question

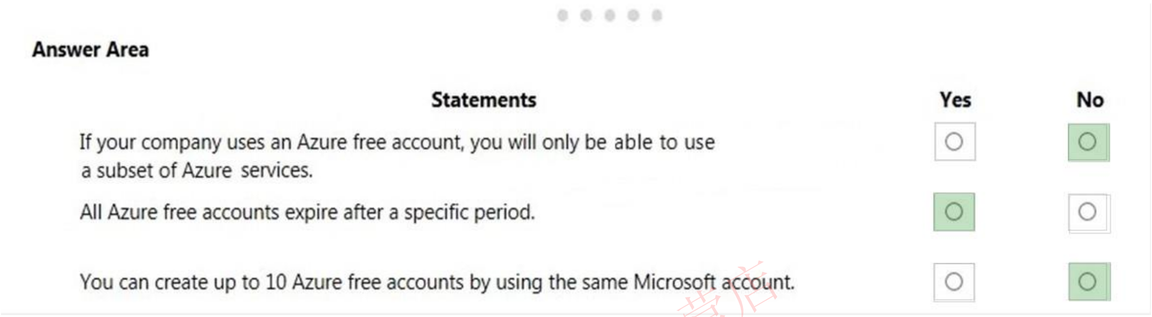
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE Each correct selection is worth one point.



Answer Area

Statements	Yes	No
If your company uses an Azure free account, you will only be able to use a subset of Azure services.	○	○
All Azure free accounts expire after a specific period.	○	○
You can create up to 10 Azure free accounts by using the same Microsoft account.	○	○

Answer:



Answer Area

Statements	Yes	No
If your company uses an Azure free account, you will only be able to use a subset of Azure services.	○	●
All Azure free accounts expire after a specific period.	●	○
You can create up to 10 Azure free accounts by using the same Microsoft account.	○	●

Explanation:
Box 1: No
Azure Free Account gives you 12 months access to the most popular free services. It also gives you a credit (150 GBP or 200 USD) to use on any Azure service for up to 30 days.

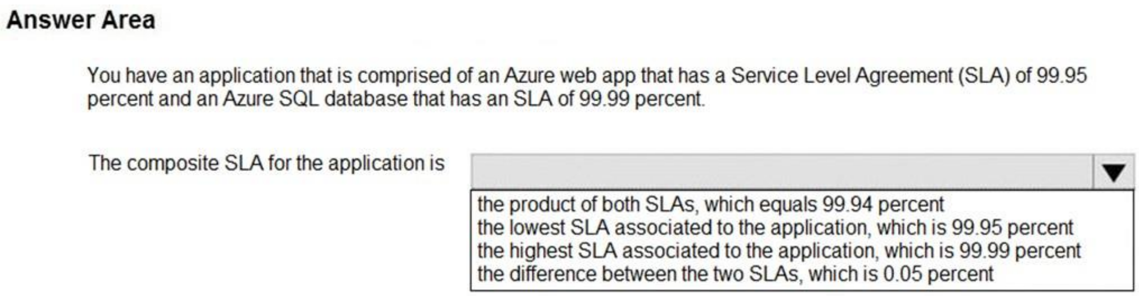
Box 2: Yes
All free accounts expire after 12 months.

Box 3: No
You can only create one free Azure account per Microsoft account.

Reference:
https://azure.microsoft.com/en-gb/free/

QUESTION 242
Hotspot Question

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



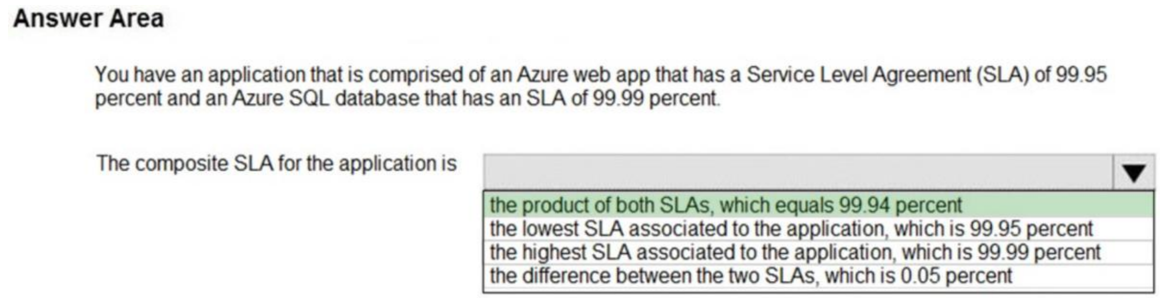
Answer Area

You have an application that is comprised of an Azure web app that has a Service Level Agreement (SLA) of 99.95 percent and an Azure SQL database that has an SLA of 99.99 percent.

The composite SLA for the application is

- the product of both SLAs, which equals 99.94 percent
- the lowest SLA associated to the application, which is 99.95 percent
- the highest SLA associated to the application, which is 99.99 percent
- the difference between the two SLAs, which is 0.05 percent

Answer:



Answer Area

You have an application that is comprised of an Azure web app that has a Service Level Agreement (SLA) of 99.95 percent and an Azure SQL database that has an SLA of 99.99 percent.

The composite SLA for the application is ▼

- 🟩 the product of both SLAs, which equals 99.94 percent
- the lowest SLA associated to the application, which is 99.95 percent
- the highest SLA associated to the application, which is 99.99 percent
- the difference between the two SLAs, which is 0.05 percent

Explanation:
Composite SLAs involve multiple services supporting an application, each with differing levels of availability. For example, consider an App Service web app that writes to Azure SQL Database. At the time of this writing, these Azure services have the following SLAs:

- App Service web apps = 99.95%
- SQL Database = 99.99%

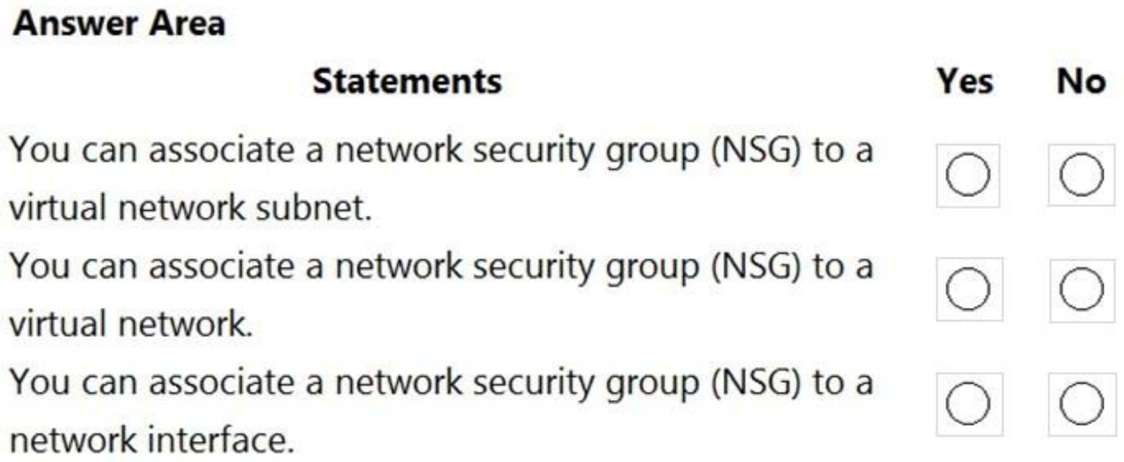
What is the maximum downtime you would expect for this application? If either service fails, the whole application fails. The probability of each service failing is independent, so the composite SLA for this application is 99.95% × 99.99% = 99.94%. That's lower than the individual SLAs, which isn't surprising because an application that relies on multiple services has more potential failure points.

Reference:
https://docs.microsoft.com/en-us/azure/architecture/reliability/requirements#understand-service-level-agreements

优学题库大师专营

QUESTION 243
Hotspot Question

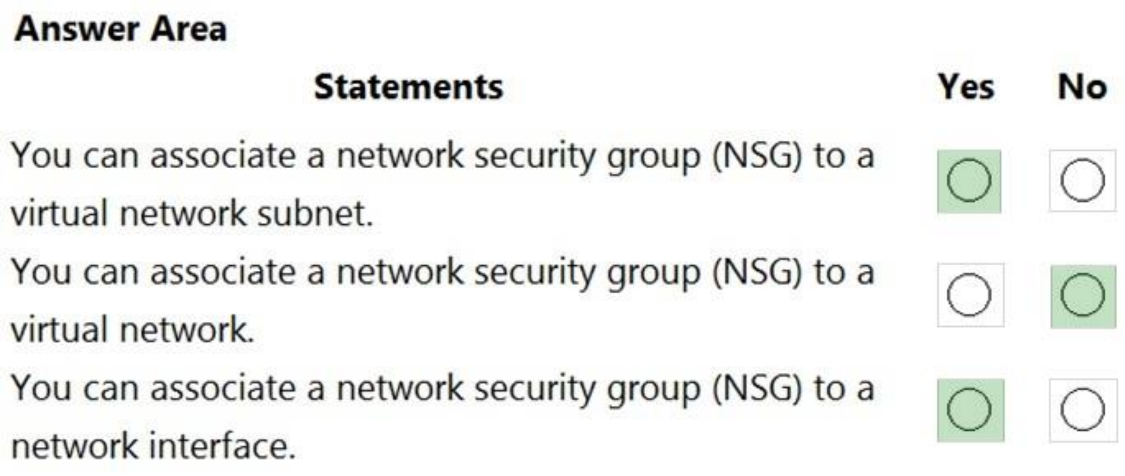
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.



Answer Area

Statements	Yes	No
You can associate a network security group (NSG) to a virtual network subnet.	○	○
You can associate a network security group (NSG) to a virtual network.	○	○
You can associate a network security group (NSG) to a network interface.	○	○

Answer:



Answer Area

Statements	Yes	No
You can associate a network security group (NSG) to a virtual network subnet.	[✓ ○]	○
You can associate a network security group (NSG) to a virtual network.	○	[✓ ○]
You can associate a network security group (NSG) to a network interface.	[✓ ○]	○

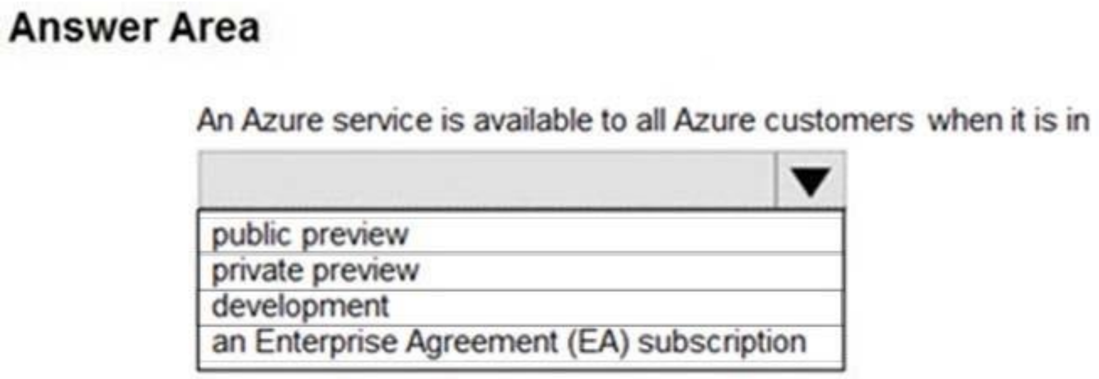
QUESTION 244
In which type of cloud model are all the hardware resources owned by a third-party and shared between multiple tenants?

A. private
B. hybrid
C. public

Answer: C
Explanation:
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.

QUESTION 245
Hotspot Question

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

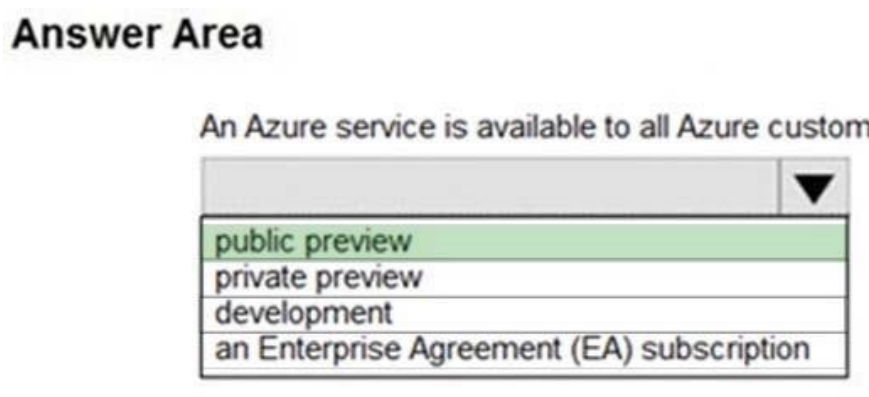


Answer Area

An Azure service is available to all Azure customers when it is in

- public preview
- private preview
- development
- an Enterprise Agreement (EA) subscription

Answer:



Answer Area

An Azure service is available to all Azure customers when it is in

public preview
private preview
development
an Enterprise Agreement (EA) subscription

Explanation:
Public Preview means that the service is in public beta and can be tried out by anyone with an Azure subscription. Services in public preview are often offered at a discount price. Public previews are excluded from SLAs and in some cases, no support is offered.
Incorrect Answers:
Services in private preview are available only to selected people who has signed up to the private preview program.
Services in development are not available to the public.
Services provided under an Enterprise Agreement (EA) subscription are available only to the subscription owner.

Reference:
https://www.neowin.net/news/several-more-azure-services-now-available-in-private-public-preview/

QUESTION 246
Identify two options from below that reflect two valid hybrid cloud infrastructures. (Choose two)

A. On premises infrastructures and public cloud
B. Private and public cloud
C. Multiple public clouds
D. On premises infrastructures and private cloud

Answer: AB

QUESTION 247
A company has an Azure infrastructure deployed. Three virtual machines (VMs) are deployed to Azure as a three-tiered architecture. All three VMs host different items, with one hosting a front-end web application, one hosting a Microsoft SQL Server database and one hosting a business application programming interface (API). For public access, only the front-end web application be available and should be accessible over HTTP on port 80. All three VMs must be accessible over Remote Desktop Protocol (RDP) on port 222. There should be only one account able to access the VMs usning RDP, and it should be yours. Can you determine how Network Security Groups (NSGs) will be used in this scenario? Identify the two ways NSG rules can be used. (Choose two)

A. To ensure that only your account can use RDP to access the VMs
B. To ensure that only the front-end VM is publicly accessible over port 80
C. To ensure that all three VMs are accessible over port 222
D. Reviewed by executive management before being released to the public

Answer: BC

QUESTION 248
A new policy has been implemented in your organization that limits access to resource group and resource scopes in a detailed, granular way. Various groups and users will be provided access. What would you choose to use if you want to implement the new policy?

A. Azure Advisor
B. Role-based access control (RBAC)
C. Azure Policies
D. Locks

Answer: B

QUESTION 249
Cost per subscriber for a cloud service provider reduces with the increase in number of subscribers. It is a public cloud service. Can you identify what this would be called?

A. Consumption-based billing
B. Operational expenditures
C. Scalability
D. Economies of scale

Answer: D

QUESTION 250
Identify a justification that validates that fact that Azure lowers a company’s capital expenditure costs.

A. Azure allows you to reduce the level of IT staffing that is required to maintain on-premises application and services
B. Azure Allow you to pay monthly based on usage rather than pay upfront of physical hardware.
C. Azure allows you to pay annually to reduce overall costs that are associated with its platform-as-a-service (PaaS) offerings.
D. Azure Reduces the amount of maintenance that is associated with the configuration of firewalls, which reduces costs.

Answer: B

QUESTION 251
Identify what purpose does the load balancer resource have.

A. Its uses URL-based routing to route web traffic across multiple instances
B. Its distributes virtual machine traffic evenly across multiple instances
C. It delivers internet traffic to the datacenter that is geographically closest to the user.
D. Its add or removes virtual machine instances as demand increases

Answer: B

QUESTION 252

An organization wants to develop and deploy web apps, for which it subscribes to Azure as a platform. It is desired to keep the expenses to a minimum before the app is finally released. You have to identify the features available in Azure Active Directory (AD) Free edition. Choose two options from below that are available in the Azure Active Directory (AD) Free edition.

A. Company branding
B. User and Group management
C. Group based access management
D. Self service password Change for cloud users

Answer: B

QUESTION 253

You want to extract insights by querying and transforming data for which you would require an Azure big data solution. Identify which of the following do you think is the most appropriate tool to use.

A. Blob Storage
B. Data Lake Analytics
C. Azure SQL Database
D. Cosmos DB

Answer: B

QUESTION 254

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 has deployed Azure. There are two subnets and you are required to filter traffic between them. Filtering should be based on three things: TCP/IP Protocol in use Source IP/address and port number Destination IP address and port number.

Solution: As a solution, you suggest Azure Firewall to be deployed and configured as the traffic filter.

Does this meet the goal?

A. Yes
B. No

Answer: A

QUESTION 255

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 has deployed Azure. There are two subnets and you are required to filter traffic between them. Filtering should be based on three things: TCP/IP Protocol in use Source IP/address and port number Destination IP address and port number.

Solution: As a solution, you suggest Web Applications Firewall to be deployed and configured as the traffic filter.

Does this meet the goal?

A. No
B. Yes

Answer: A

QUESTION 256
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 has deployed Azure. There are two subnets and you are required to filter traffic between them. Filtering should be based on three things: TCP/IP Protocol in use Source IP/address and port number Destination IP address and port number.

Solution: As a solution, you suggest network Security Group to be deployed and configured as the traffic filter.

Does this meet the goal?

A. No
B. Yes

Answer: B

QUESTION 257
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

Answer: B
Explanation:
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).
References:
https://azure.microsoft.com/en-gb/overview/what-is-iaas/
https://azure.microsoft.com/en-gb/overview/what-is-paas/

QUESTION 258
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

Answer: A
Explanation:
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/

QUESTION 259
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

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

QUESTION 260
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 virtual machines, Azure SQL databases, and Azure Storage accounts.

Does this meet the goal?

A. Yes
B. No

Answer: B
Explanation:
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/

QUESTION 261
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 (IaaS)

Answer: C
Explanation:
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/

QUESTION 262
This question requires that you evaluate the underlined text to determine if it is correct.

An Availability Zone in Azure has physically separate locations across two continents.

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. within a single Azure region
C. within multiple Azure regions
D. within a single Azure datacenter

Answer: B
Explanation:
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.
References:
https://docs.microsoft.com/en-us/azure/availability-zones/az-overview

QUESTION 263
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 PowerShell. Run the command in Cloud Shell.

Does this meet the goal?

A. Yes
B. No

Answer: A
Explanation:
The command can be run in the Azure Cloud Shell. Although this question says you select PowerShell rather than Bash, the Az commands will work in PowerShell.
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.
Reference:
https://docs.microsoft.com/en-us/azure/virtual-machines/linux/quick-create-cli

QUESTION 264

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.

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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 a computer that runs Windows 10, install Azure CLI. From PowerShell, sign in to Azure and then run the command.

Does this meet the goal?

A. Yes
B. No

Answer: B
Explanation:
The command can be run from PowerShell or the command prompt if you have the Azure CLI installed.
However, it must be run on the Windows 10 computer, not in Azure.
References:
https://docs.microsoft.com/en-us/cli/azure/install-azure-cli-windows?view=azure-cli-latest

QUESTION 265

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.

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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 a computer that runs Windows 10, install Azure CLI. From a command prompt, sign in to Azure and then run the command.

Does this meet the goal?

A. Yes
B. No

Answer: B
Explanation:
The command can be run from PowerShell or the command prompt if you have the Azure CLI installed.
However, it must be run on the Windows 10 computer, not in Azure.
References:
https://docs.microsoft.com/en-us/cli/azure/install-azure-cli-windows?view=azure-cli-latest

QUESTION 266
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 Windows 10 and has the Azure PowerShell module installed.

Does this meet the goal?

A. Yes
B. No

Answer: A
Section: Describe core solutions and management tools on Azure Explanation

Explanation:
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 the Azure PowerShell module installed. Therefore, this solution does 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

QUESTION 267
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.

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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

Answer: A
Explanation:
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

QUESTION 268
This question requires that you evaluate the underlined text to determine if it is correct.

Azure Databricks is an Apache Spark-based analytics service.

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. Azure Data Factory
C. Azure DevOps
D. Azure HDInsight

Answer: A
Explanation:
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.
References:
https://docs.microsoft.com/en-us/azure/azure-databricks/what-is-azure-databricks#apache-spark-based-analytics-platform

QUESTION 269
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

Answer: A
Explanation:
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

QUESTION 270
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

Answer: BC
Explanation:
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/

QUESTION 271
What can you use to automatically send an alert if an administrator stops an Azure virtual machine?

A. Azure Advisor
B. Azure Service Health
C. Azure Monitor
D. Azure Network Watcher

Answer: C
Explanation:
https://docs.microsoft.com/en-us/azure/azure-monitor/insights/vminsights-alerts

QUESTION 272
You have an Azure environment.

You need to create a new Azure virtual machine from a tablet that runs the Android operating system.

What are three possible solutions? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. Use Bash in Azure Cloud Shell.
B. Use PowerShell in Azure Cloud Shell.
C. Use the PowerApps portal.
D. Use the Security & Compliance admin center.
E. Use the Azure portal.

Answer: ABE
Explanation:
The Android tablet device will have a web browser (Chrome). That's enough to connect to the Azure portal.
The Azure portal offers three ways to create a VM:
Using the graphical portal.
Using the Azure Cloud Shell using Bash.
Using the Azure Cloud Shell using PowerShell.

QUESTION 273

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 network security group (NSG).

Does this meet the goal?

A. Yes
B. No

Answer: A
Section: Describe general security and network security features Explanation

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Explanation:
A network security group works like a firewall. You can attach a network security group to a virtual network and/or individual subnets within the virtual network. You can also attach a network security group to a network interface assigned to a virtual machine. You can use multiple network security groups within a virtual network to restrict traffic between resources such as virtual machines and subnets.
You can filter network traffic to and from Azure resources in an Azure virtual network with a network security group. A network security group contains security rules that allow or deny inbound network traffic to, or outbound network traffic from, several types of Azure resources.
In this question, we need to add a rule to the network security group to allow the connection to the virtual machine on port 80 (HTTP).
References:
https://docs.microsoft.com/en-us/azure/virtual-network/security-overview

QUESTION 274

Which service provides network traffic filtering across multiple Azure subscriptions and virtual networks?

A. Azure Firewall
B. an application security group
C. Azure DDoS protection
D. a network security group (NSG)

Answer: A
Explanation:
You can restrict traffic to multiple virtual networks in multiple subscriptions with a single Azure firewall.
Azure Firewall is a managed, cloud-based network security service that protects your Azure

Virtual Network resources. It's a fully stateful firewall as a service with built-in high availability and unrestricted cloud scalability.
You can centrally create, enforce, and log application and network connectivity policies across subscriptions and virtual networks. Azure Firewall uses a static public IP address for your virtual network resources allowing outside firewalls to identify traffic originating from your virtual network.
References:
https://docs.microsoft.com/en-us/azure/firewall/overview

QUESTION 275
This question requires that you evaluate the underlined text to determine if it is correct.

From Azure Cloud Shell, you can track your company's regulatory standards and regulations, such as ISO 27001.

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. the Microsoft Cloud Partner Portal
C. Compliance Manager
D. the Trust Center

Answer: C
Explanation:
Microsoft Compliance Manager (Preview) is a free workflow-based risk assessment tool that lets you track, assign, and verify regulatory compliance activities related to Microsoft cloud services.
Azure Cloud Shell, on the other hand, is an interactive, authenticated, browser-accessible shell for managing Azure resources.
References:
https://docs.microsoft.com/en-us/microsoft-365/compliance/compliance-manager-overview
https://docs.microsoft.com/en-us/azure/cloud-shell/overview

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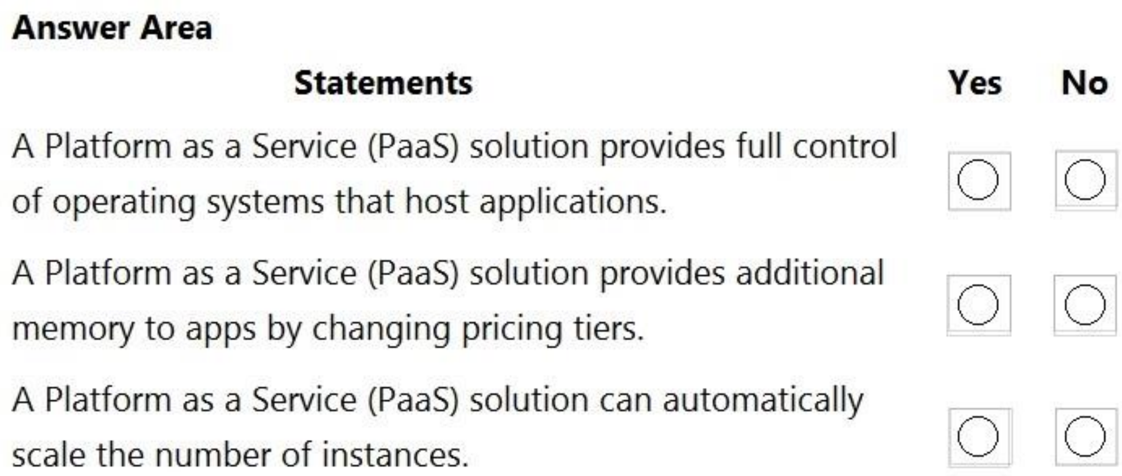
QUESTION 276
Hotspot Question

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

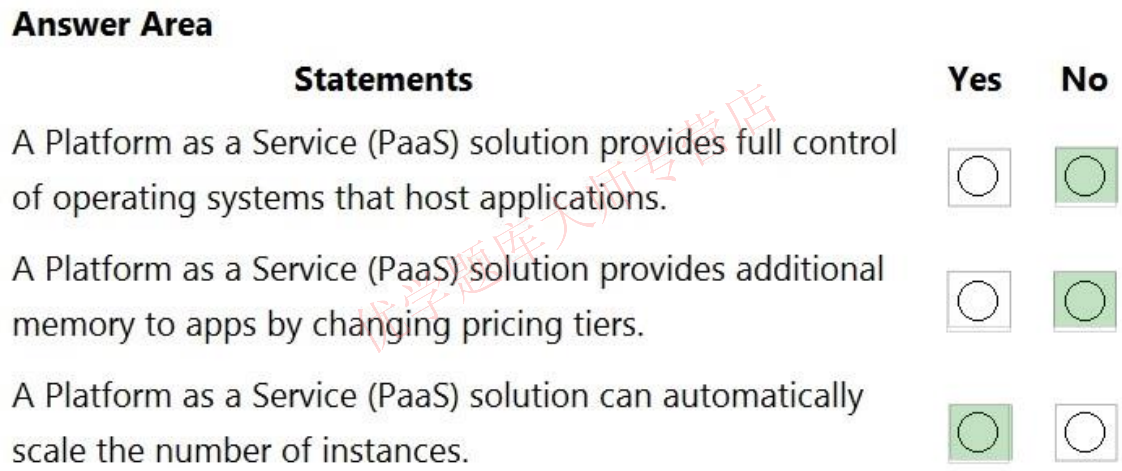
NOTE: Each correct selection is worth one point.



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.	○	○

Answer:



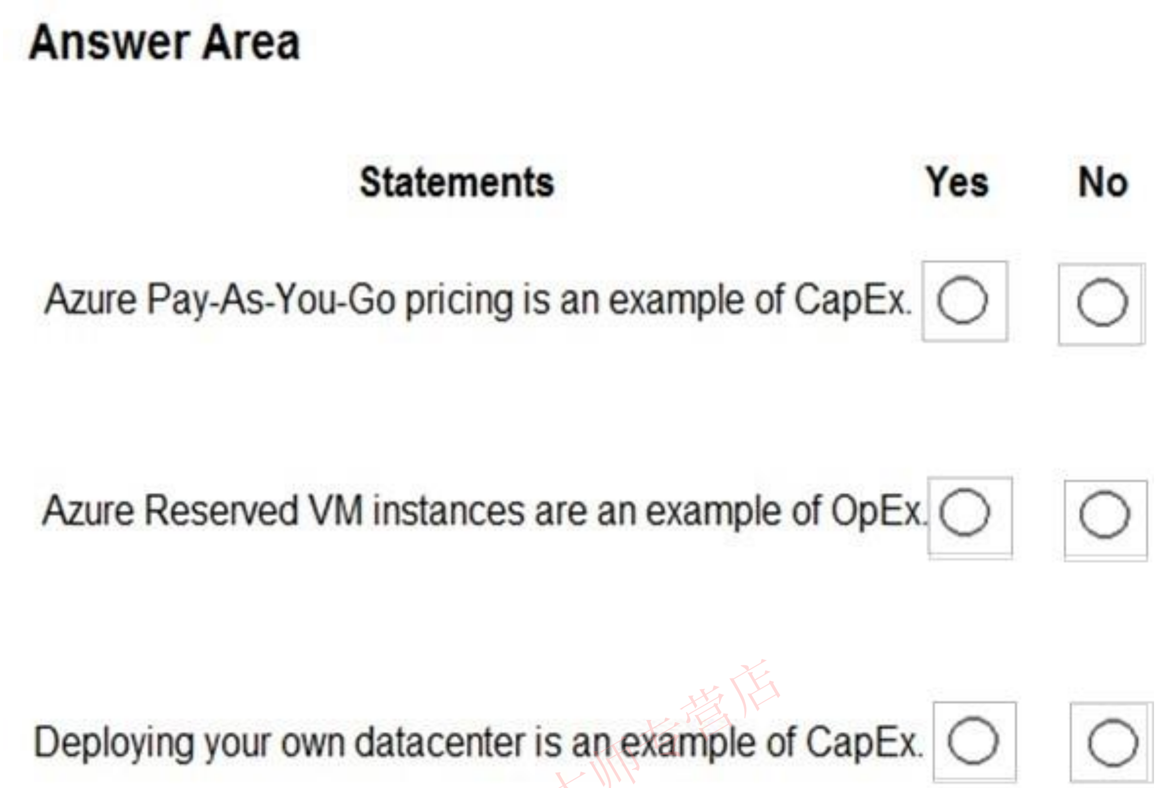
Answer Area

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 277
Hotspot Question

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

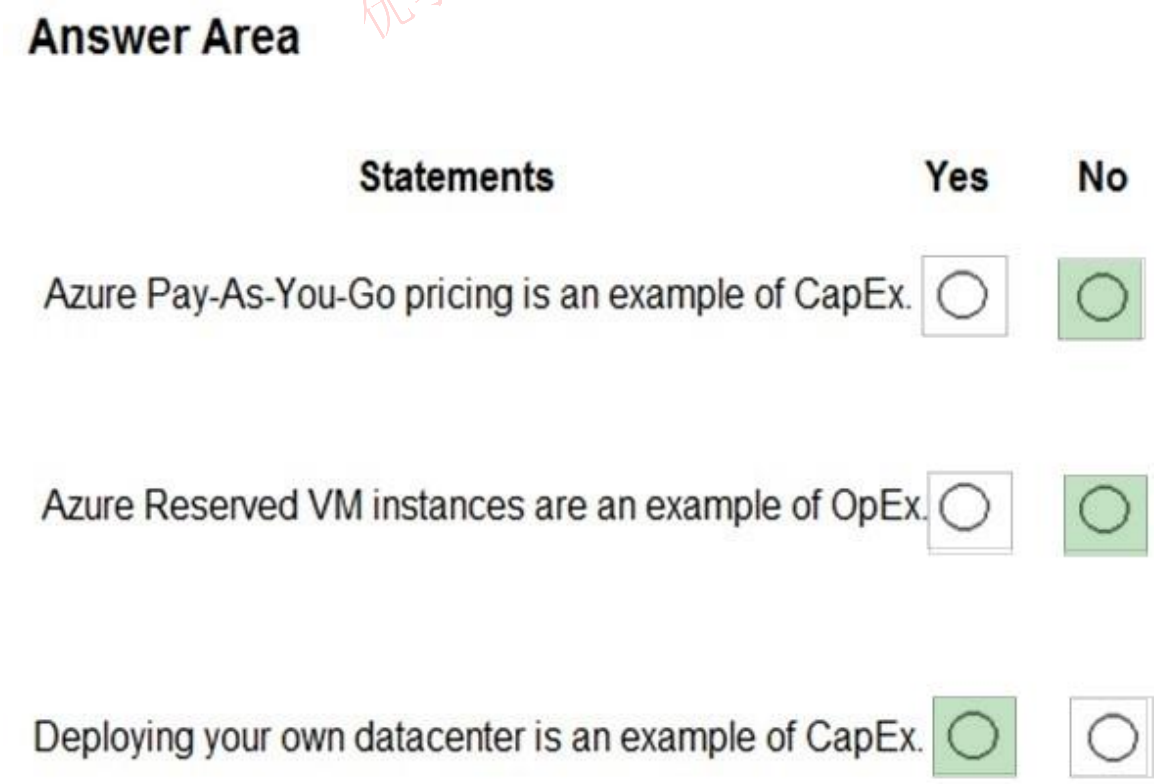
NOTE: Each correct selection is worth one point.



Answer Area

Statements	Yes	No
Azure Pay-As-You-Go pricing is an example of CapEx.	○	○
Azure Reserved VM instances are an example of OpEx.	○	○
Deploying your own datacenter is an example of CapEx.	○	○

Answer:



Answer Area

Statements	Yes	No
Azure Pay-As-You-Go pricing is an example of CapEx.	○	[✓ ○]
Azure Reserved VM instances are an example of OpEx.	○	[✓ ○]
Deploying your own datacenter is an example of CapEx.	[✓ ○]	○

Explanation:
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.

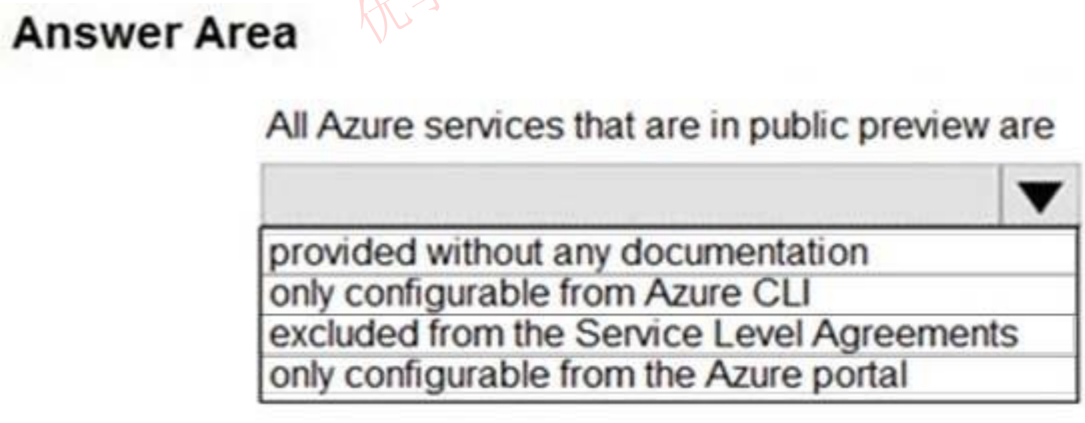
Box 2: No
A reserved instance is where you pay upfront for the use of a virtual machine for a period of time (1 or 3 years). This can save you money as you receive a discount on the cost of a VM if you pay upfront for a reserved instance. However, as this is an upfront payment, it will be classed as 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

QUESTION 278
Hotspot Question

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

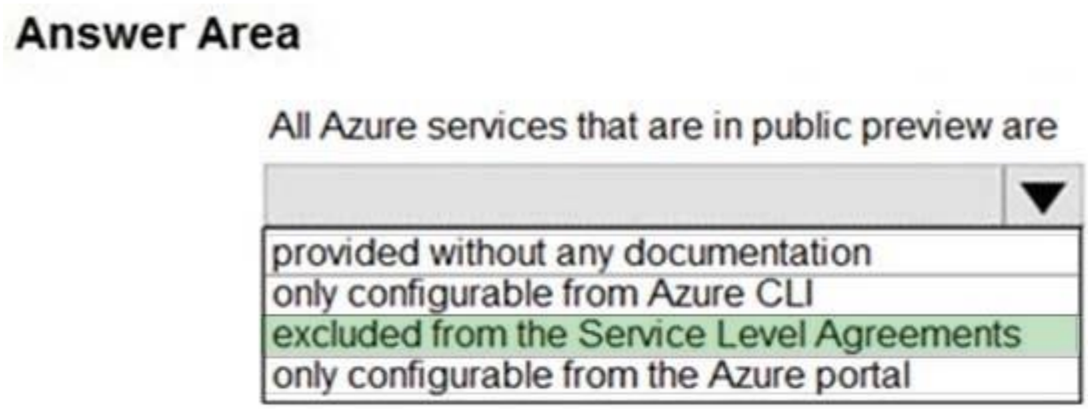


Answer Area

All Azure services that are in public preview are

provided without any documentation
only configurable from Azure CLI
excluded from the Service Level Agreements
only configurable from the Azure portal

Answer:



Answer Area

All Azure services that are in public preview are

- provided without any documentation
- only configurable from Azure CLI
- excluded from the Service Level Agreements
- only configurable from the Azure portal

Explanation:
Preview features are made available to you on the condition that you accept additional terms which supplement the regular Azure terms. The supplemental terms state:

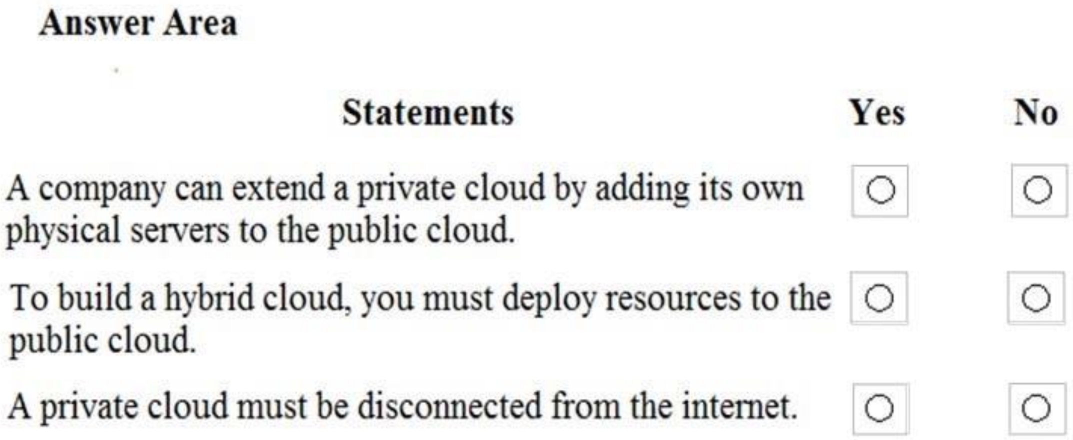
PREVIEWS ARE PROVIDED "AS-IS," "WITH ALL FAULTS," AND "AS AVAILABLE," AND ARE EXCLUDED FROM THE SERVICE LEVEL AGREEMENTS AND LIMITED WARRANTY.

Reference:
https://azure.microsoft.com/en-gb/support/legal/preview-supplemental-terms/

QUESTION 279
Hotspot Question

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

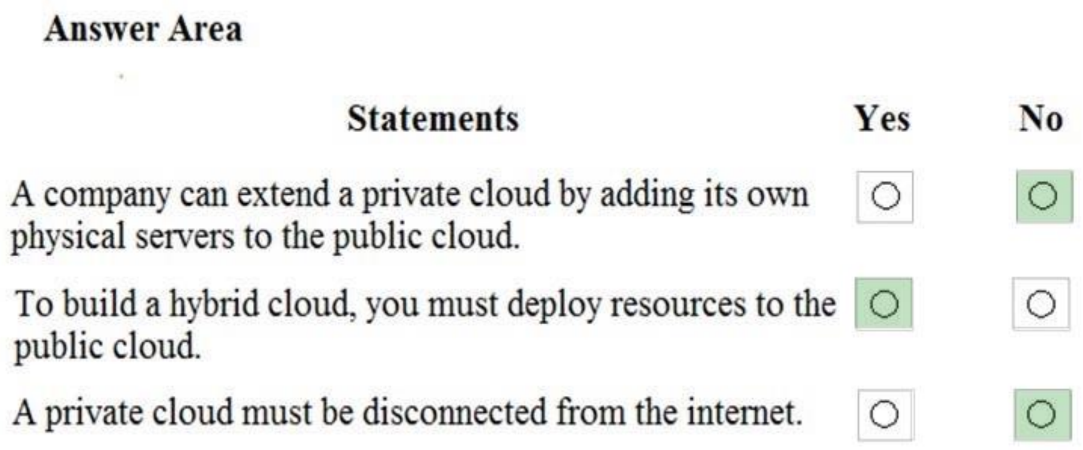
NOTE: Each correct selection is worth one point.



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.	○	○

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.	○	[✓ ○]

Explanation:
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.

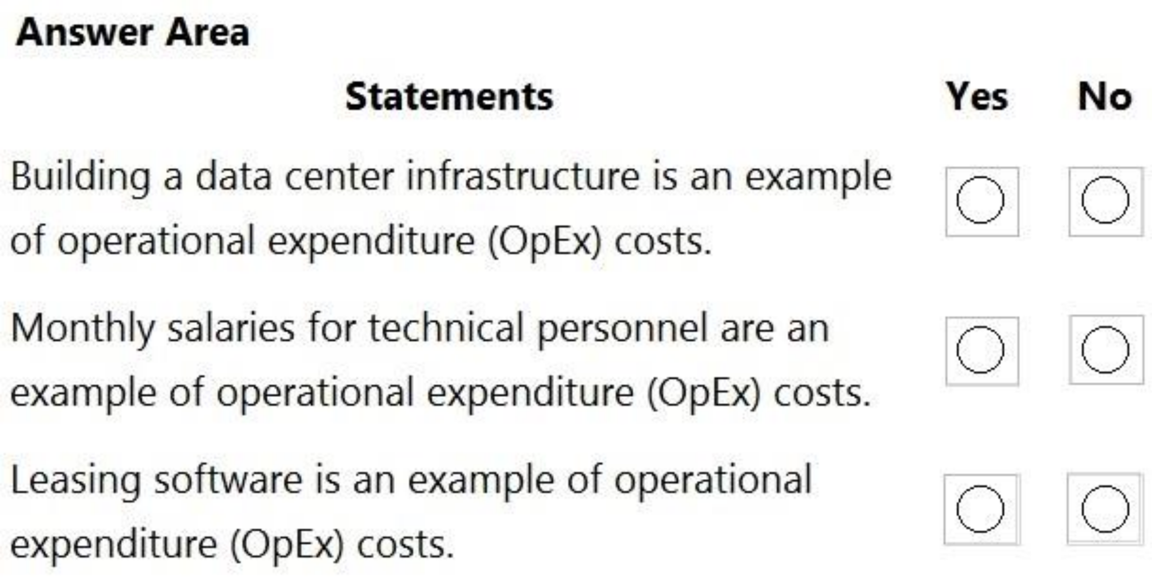
Box 3: No.
It is not true that a private cloud must be disconnected from the Internet. Private clouds can be and most commonly are connected to the Internet. "Private cloud" means that the physical servers are managed by you. It does not mean that it is disconnected from the Internet.

References:
https://azure.microsoft.com/en-gb/overview/what-are-private-public-hybrid-clouds/

QUESTION 280
Hotspot Question

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

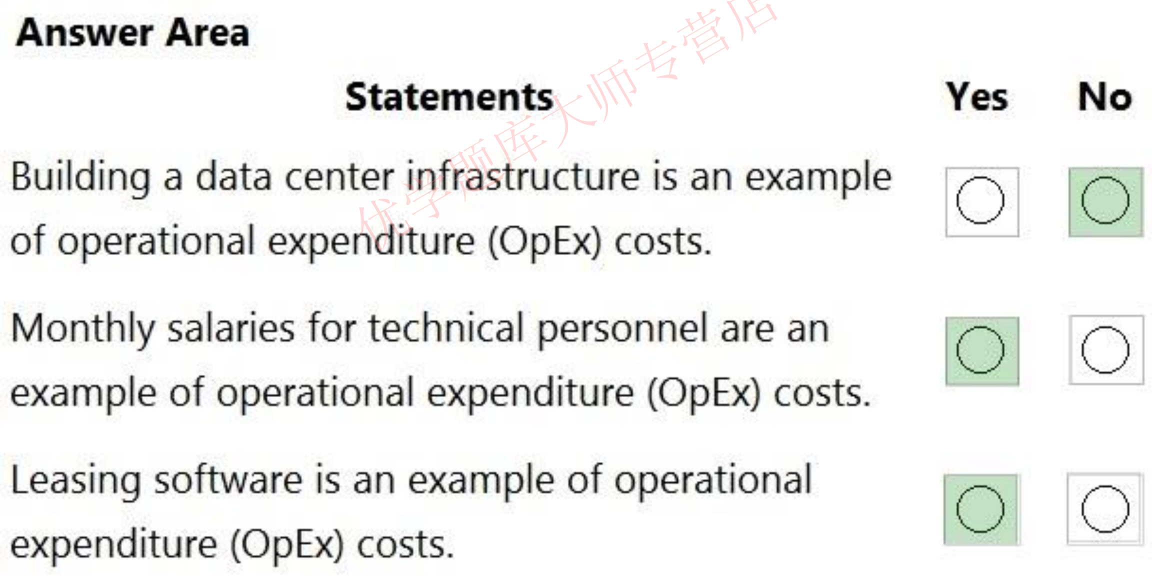
NOTE: Each correct selection is worth one point.



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.	○	○

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.	●	○

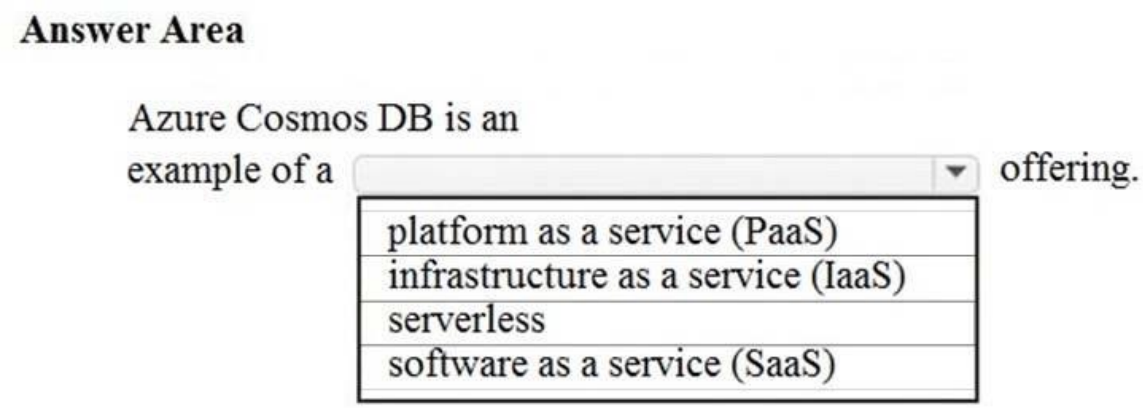
Explanation:
Box 1: No
Building a data center infrastructure is capital expenditure, not operation expenditure.

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 281
Hotspot Question

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

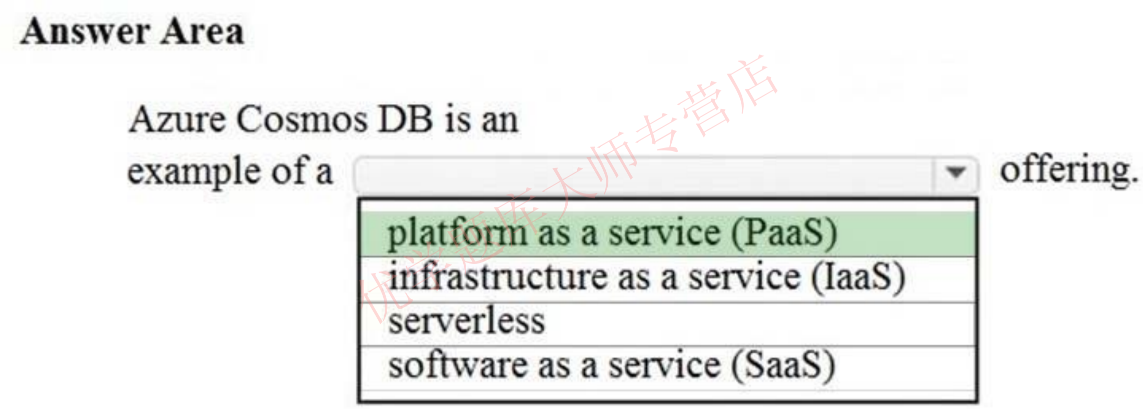


Answer Area

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

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

Answer:



Answer Area

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

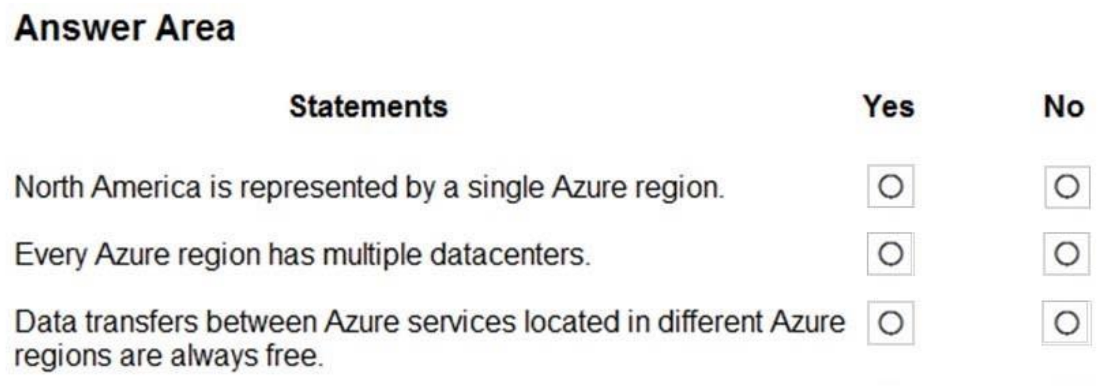
- platform as a service (PaaS)
- infrastructure as a service (IaaS)
- serverless
- software as a service (SaaS)

Explanation:
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

QUESTION 282
Hotspot Question

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

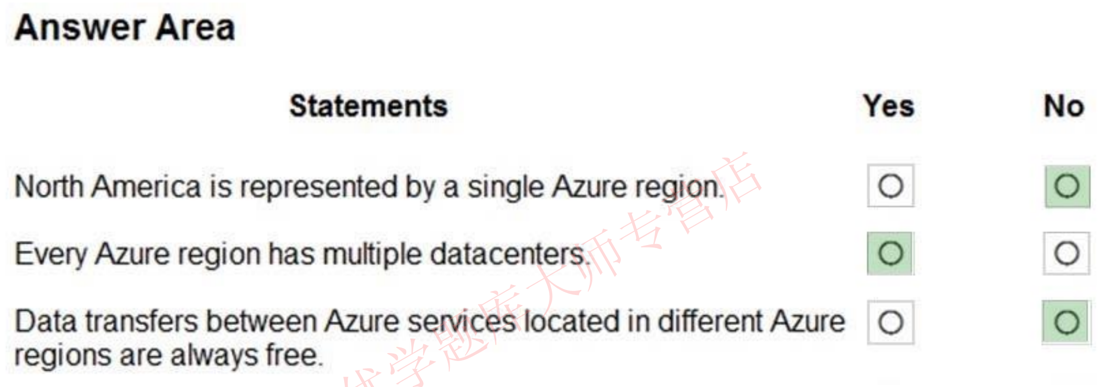
NOTE: Each correct selection is worth one point.



Answer Area

Statements	Yes	No
North America is represented by a single Azure region.	○	○
Every Azure region has multiple datacenters.	○	○
Data transfers between Azure services located in different Azure regions are always free.	○	○

Answer:



Answer Area

Statements	Yes	No
North America is represented by a single Azure region.	○	[✓ ○]
Every Azure region has multiple datacenters.	[✓ ○]	○
Data transfers between Azure services located in different Azure regions are always free.	○	[✓ ○]

Explanation:
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.

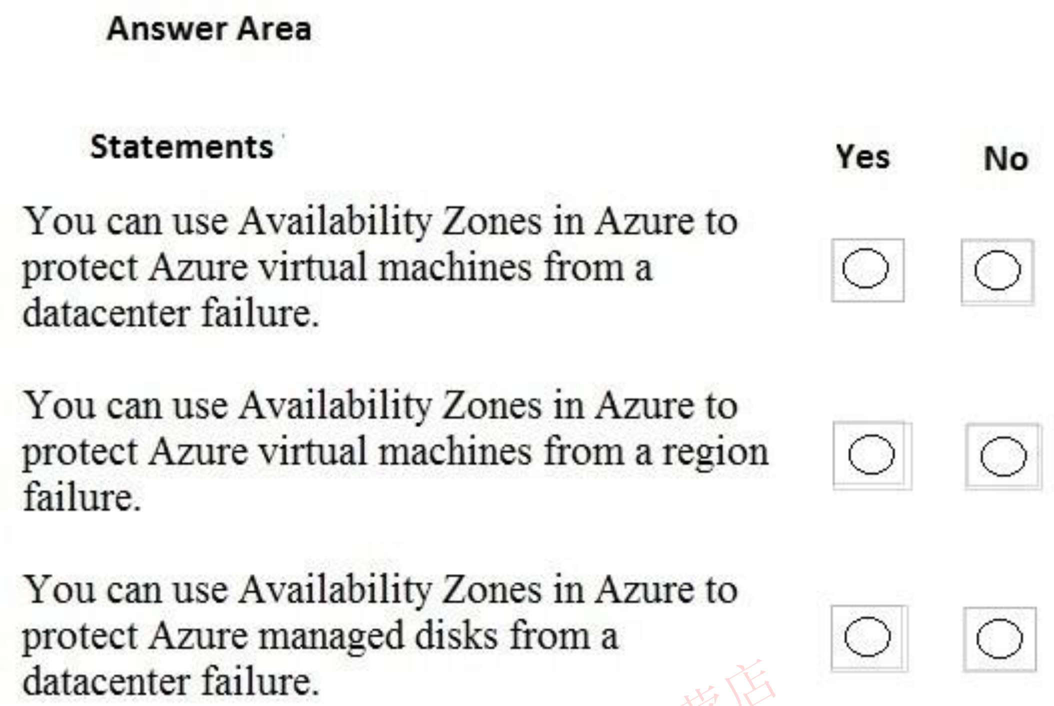
Box 3: No
Outbound data transfer is charged at the normal rate and inbound data transfer is free.

References:
https://azure.microsoft.com/en-us/global-infrastructure/regions/
https://azure.microsoft.com/en-us/pricing/details/bandwidth/

QUESTION 283
Hotspot Question

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

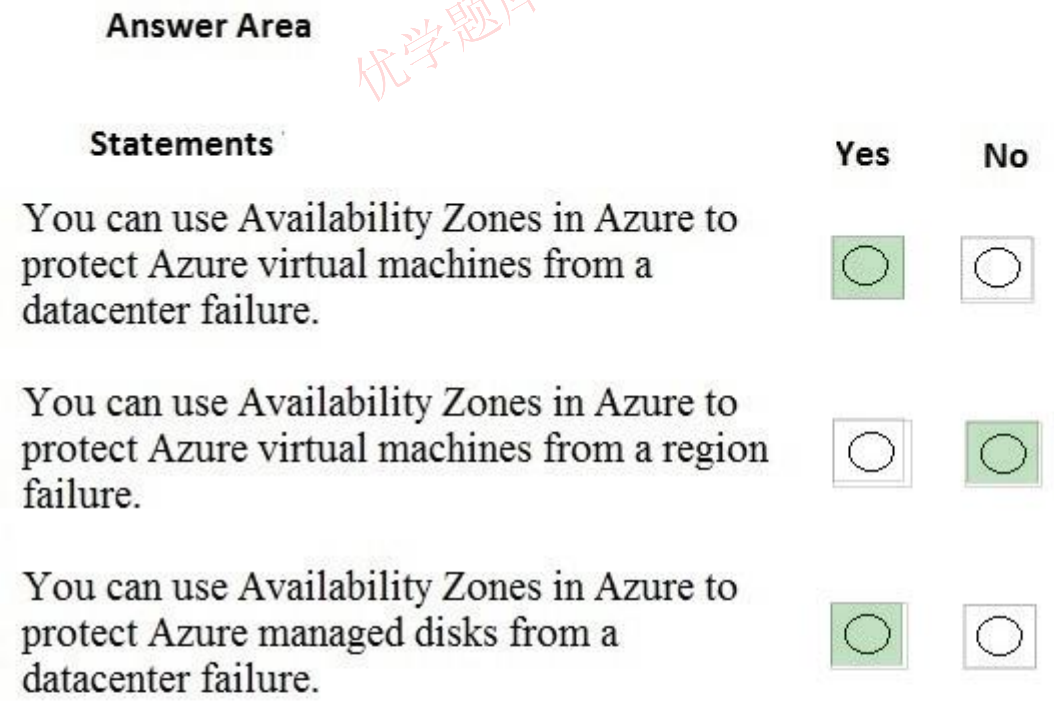
NOTE: Each correct selection is worth one point.



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.	○	○

Answer:



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.	●	○

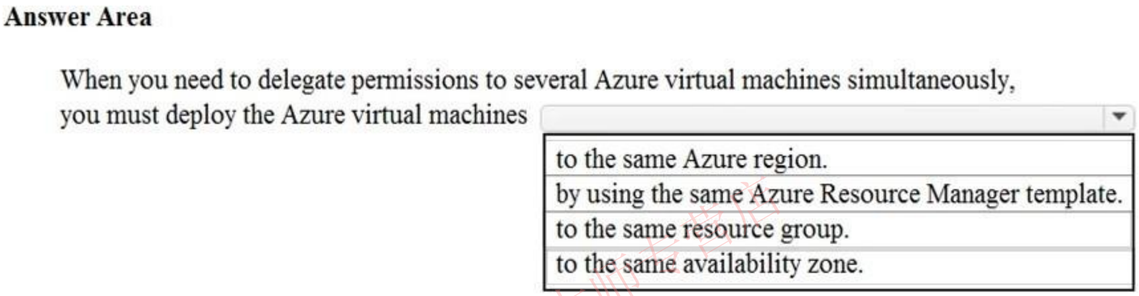
Explanation:
Availability zones expand the level of control you have to maintain the availability of the applications and data on your VMs. Availability Zones are unique physical locations within an Azure region. Each zone is made up of one or more datacenters equipped with independent

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

QUESTION 284
Hotspot Question

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

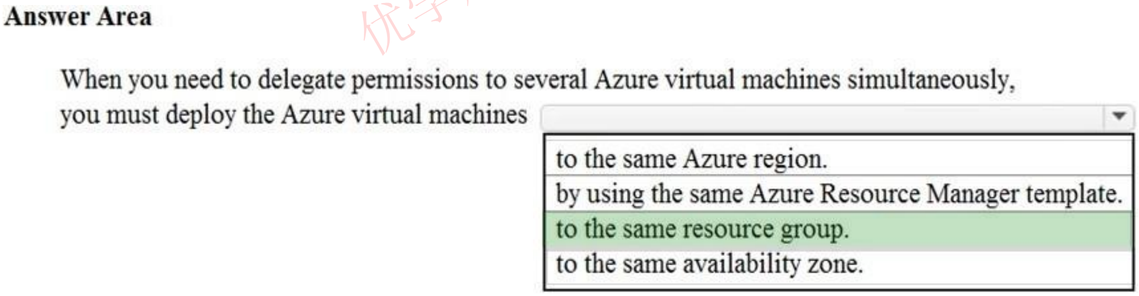


Answer Area

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.

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.

Explanation:
A resource group is a logical container for Azure resources. Resource groups make the management of Azure resources easier.

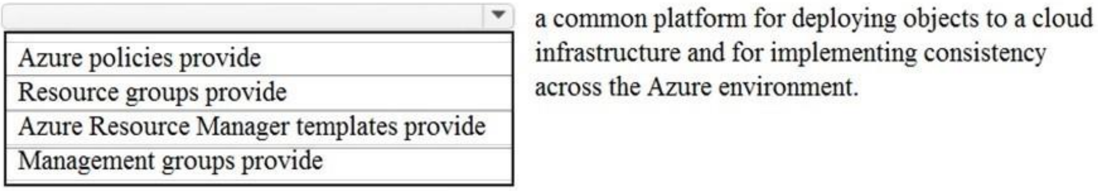
With a resource group, you can allow a user to manage all resources in the resource group, such as virtual machines, websites, and subnets. The permissions you apply to the resource group apply to all resources contained in the resource group.

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 285
Hotspot Question

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

Answer Area

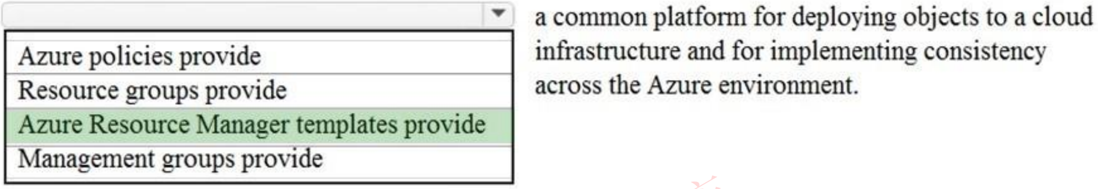


- Azure policies provide
- Resource groups provide
- Azure Resource Manager templates provide
- Management groups provide

a common platform for deploying objects to a cloud infrastructure and for implementing consistency across the Azure environment.

Answer:

Answer Area



- Azure policies provide
- Resource groups provide
- [✓ Azure Resource Manager templates provide]
- Management groups provide

a common platform for deploying objects to a cloud infrastructure and for implementing consistency across the Azure environment.

Explanation:
Azure Resource Manager templates provides a common platform for deploying objects to a cloud infrastructure and for implementing consistency across the Azure environment.

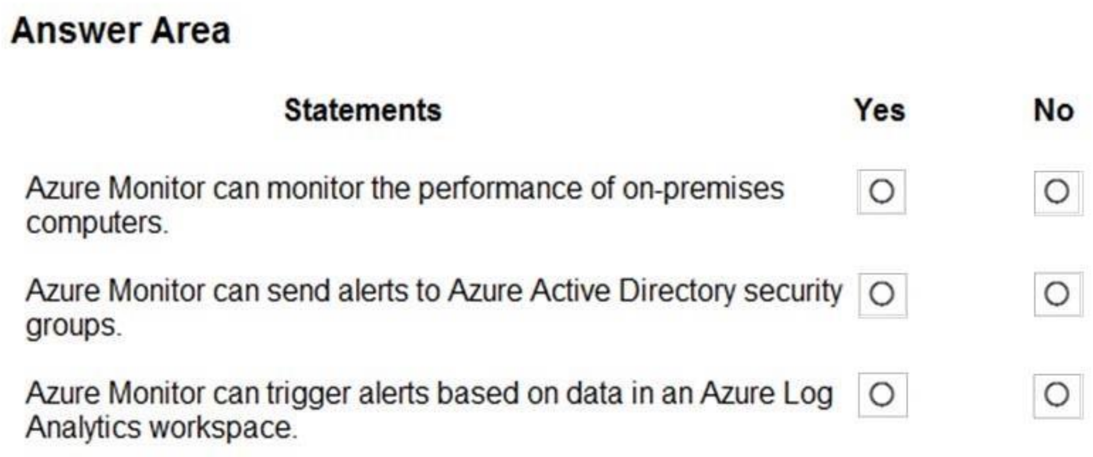
Azure policies are used to define rules for what can be deployed and how it should be deployed. Whilst this can help in ensuring consistency, Azure policies do not provide the common platform for deploying objects to a cloud infrastructure.

Reference:
https://docs.microsoft.com/en-us/azure/governance/policy/overview

QUESTION 286
Hotspot Question

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

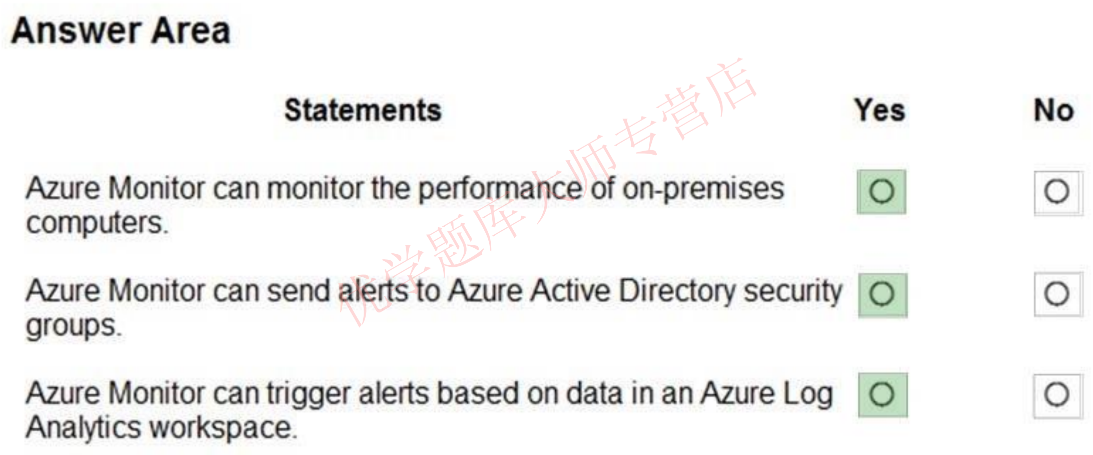
NOTE: Each correct selection is worth one point.



Answer Area

Statements	Yes	No
Azure Monitor can monitor the performance of on-premises computers.	○	○
Azure Monitor can send alerts to Azure Active Directory security groups.	○	○
Azure Monitor can trigger alerts based on data in an Azure Log Analytics workspace.	○	○

Answer:



Answer Area

Statements	Yes	No
Azure Monitor can monitor the performance of on-premises computers.	●	○
Azure Monitor can send alerts to Azure Active Directory security groups.	●	○
Azure Monitor can trigger alerts based on data in an Azure Log Analytics workspace.	●	○

Explanation:
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.

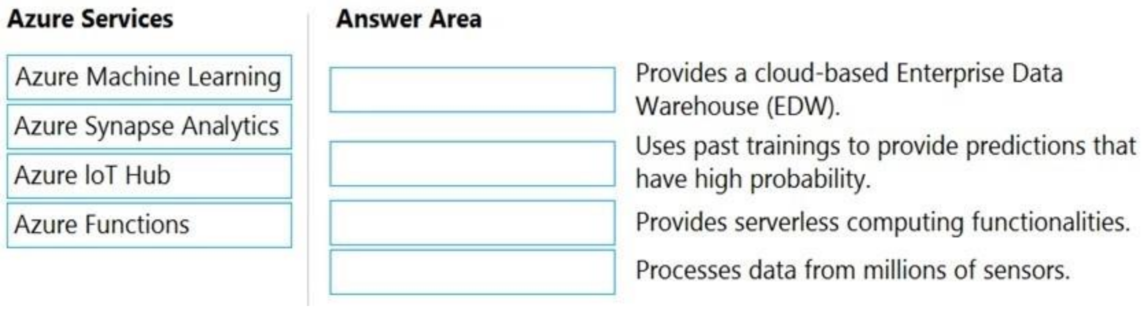
References:
https://docs.microsoft.com/en-us/azure/azure-monitor/overview
https://docs.microsoft.com/en-us/azure/azure-monitor/platform/alerts-overview

QUESTION 287
Drag and Drop Question

Match the Azure services to the correct descriptions.

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

NOTE: Each correct match is worth one point



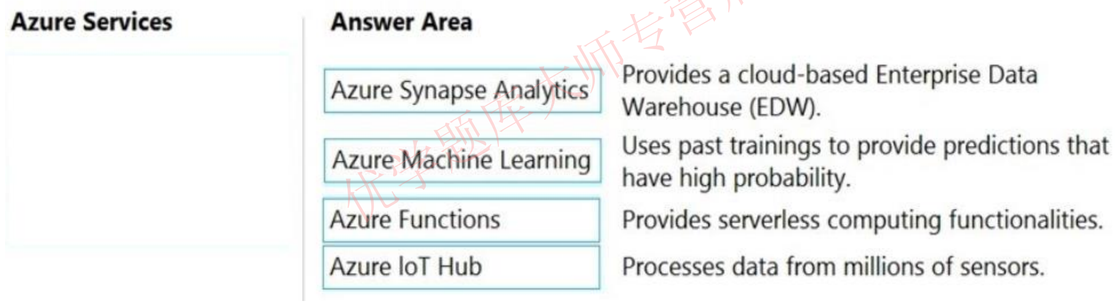
Azure Services

- Azure Machine Learning
- Azure Synapse Analytics
- Azure IoT Hub
- Azure Functions

Answer Area

	Provides a cloud-based Enterprise Data Warehouse (EDW).
	Uses past trainings to provide predictions that have high probability.
	Provides serverless computing functionalities.
	Processes data from millions of sensors.

Answer:



Azure Services

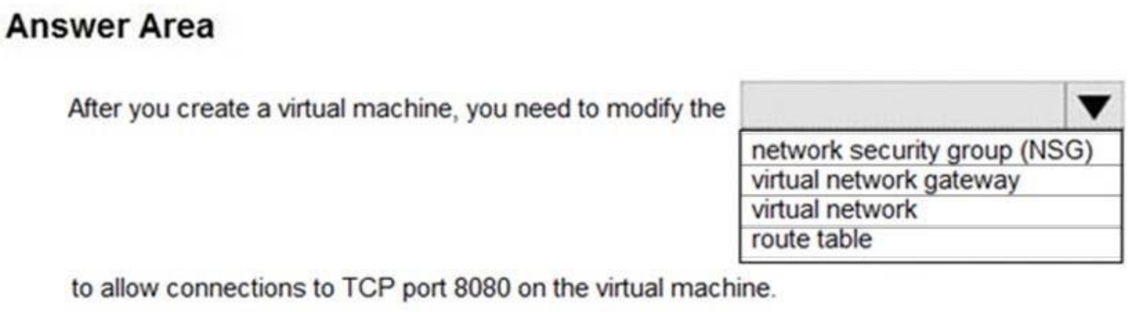
Answer Area

Azure Synapse Analytics	Provides a cloud-based Enterprise Data Warehouse (EDW).
Azure Machine Learning	Uses past trainings to provide predictions that have high probability.
Azure Functions	Provides serverless computing functionalities.
Azure IoT Hub	Processes data from millions of sensors.

Explanation:
https://azure.microsoft.com/en-gb/services/synapse-analytics/
https://docs.microsoft.com/en-us/azure/machine-learning/overview-what-is-azure-ml
https://docs.microsoft.com/en-us/azure/iot-hub/about-iot-hub
https://docs.microsoft.com/en-us/azure/azure-functions/functions-overview

QUESTION 288
Hotspot Question

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



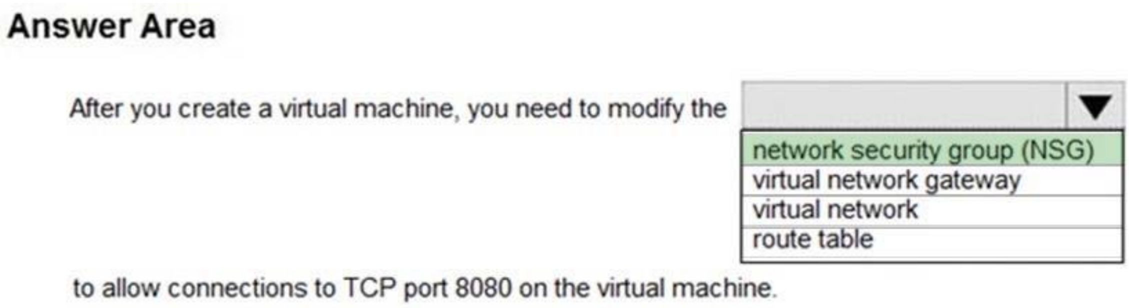
Answer Area

After you create a virtual machine, you need to modify the

- network security group (NSG)
- virtual network gateway
- virtual network
- route table

to allow connections to TCP port 8080 on the virtual machine.

Answer:



Answer Area

After you create a virtual machine, you need to modify the [▼]

- network security group (NSG)
- virtual network gateway
- virtual network
- route table

to allow connections to TCP port 8080 on the virtual machine.

Explanation:
When you create a virtual machine, the default setting is to create a Network Security Group attached to the network interface assigned to a virtual machine.

A network security group works like a firewall. You can attach a network security group to a virtual network and/or individual subnets within the virtual network. You can also attach a network security group to a network interface assigned to a virtual machine. You can use multiple network security groups within a virtual network to restrict traffic between resources such as virtual machines and subnets.

You can filter network traffic to and from Azure resources in an Azure virtual network with a network security group. A network security group contains security rules that allow or deny inbound network traffic to, or outbound network traffic from, several types of Azure resources.

In this question, we need to add a rule to the network security group to allow the connection to the virtual machine on port 8080.

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

QUESTION 289
Hotspot Question

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

NOTE: Each correct selection is worth one point.

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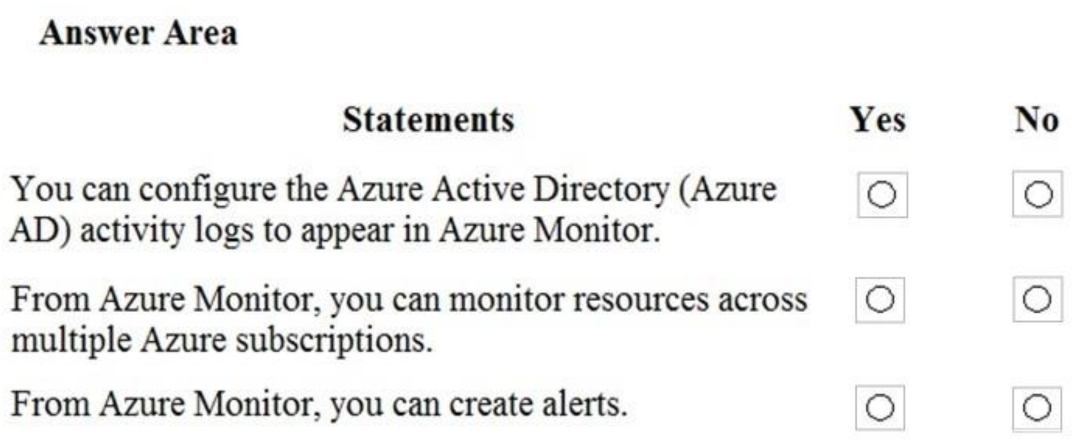
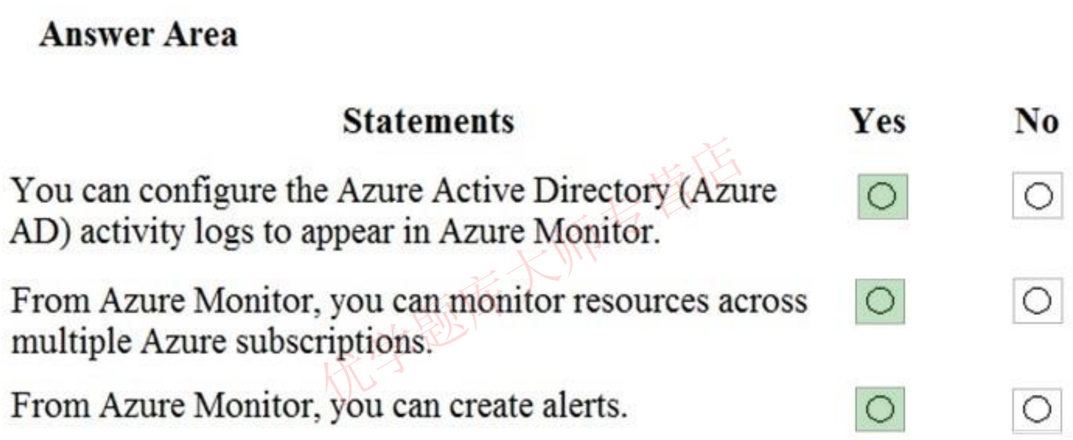


Answer Area

Statements	Yes	No
You can configure the Azure Active Directory (Azure AD) activity logs to appear in Azure Monitor.	○	○
From Azure Monitor, you can monitor resources across multiple Azure subscriptions.	○	○
From Azure Monitor, you can create alerts.	○	○

Answer:



Answer Area

Statements	Yes	No
You can configure the Azure Active Directory (Azure AD) activity logs to appear in Azure Monitor.	●	○
From Azure Monitor, you can monitor resources across multiple Azure subscriptions.	●	○
From Azure Monitor, you can create alerts.	●	○

Explanation:
Box 1: Yes
You can send Azure AD activity logs to Azure Monitor logs to enable rich visualizations, monitoring and alerting on the connected data.
All data collected by Azure Monitor fits into one of two fundamental types, metrics and logs (including Azure AD activity logs). Activity logs record when resources are created or modified. Metrics tell you how the resource is performing and the resources that it's consuming.

Box 2: Yes
Azure Monitor can consolidate log entries from multiple Azure resources, subscriptions, and tenants into one location for analysis together.

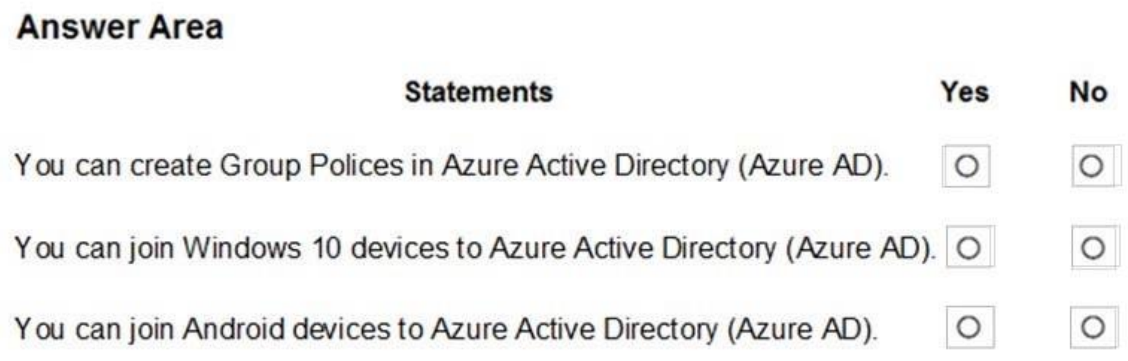
Box 3: Yes
You can create alerts in Azure Monitor.
Alerts in Azure Monitor proactively notify you of critical conditions and potentially attempt to take corrective action. Alert rules based on metrics provide near real time alerting based on numeric values, while rules based on logs allow for complex logic across data from multiple sources.

References:
https://docs.microsoft.com/en-us/azure/active-directory/reports-monitoring/concept-activity-logs-azure-monitor
https://docs.microsoft.com/en-us/azure/azure-monitor/overview

QUESTION 290
Hotspot Question

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

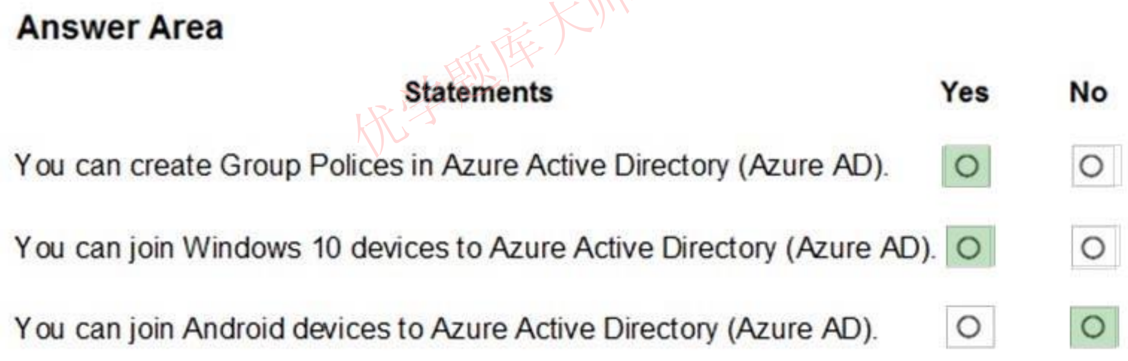
NOTE: Each correct selection is worth one point.



Answer Area

Statements	Yes	No
You can create Group Polices in Azure Active Directory (Azure AD).	○	○
You can join Windows 10 devices to Azure Active Directory (Azure AD).	○	○
You can join Android devices to Azure Active Directory (Azure AD).	○	○

Answer:



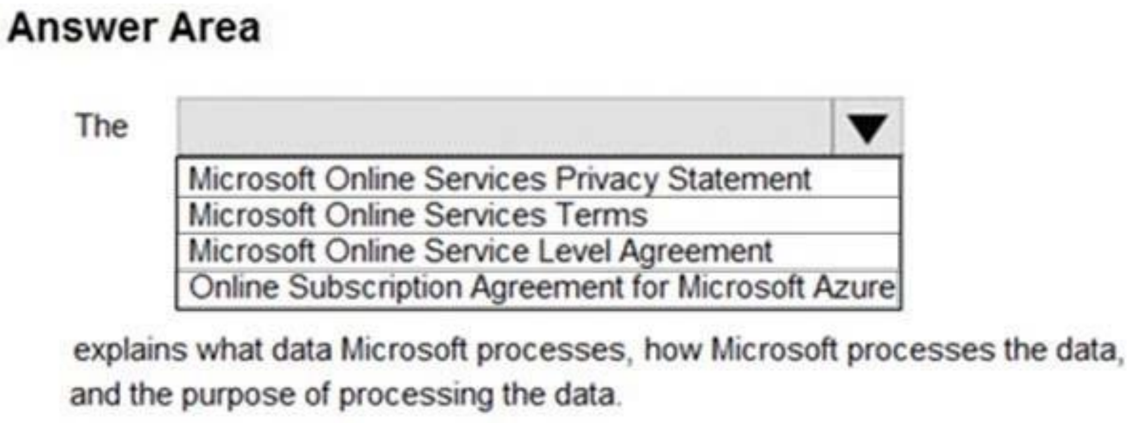
Answer Area

Statements	Yes	No
You can create Group Polices in Azure Active Directory (Azure AD).	[✓ ○]	○
You can join Windows 10 devices to Azure Active Directory (Azure AD).	[✓ ○]	○
You can join Android devices to Azure Active Directory (Azure AD).	○	[✓ ○]

Explanation:
Azure AD join only applies to Windows 10 devices.
Reference:
https://docs.microsoft.com/en-us/azure/active-directory-domain-services/manage-group-policy
https://docs.microsoft.com/en-us/azure/active-directory/devices/azureadjoin-plan

QUESTION 291
Hotspot Question

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



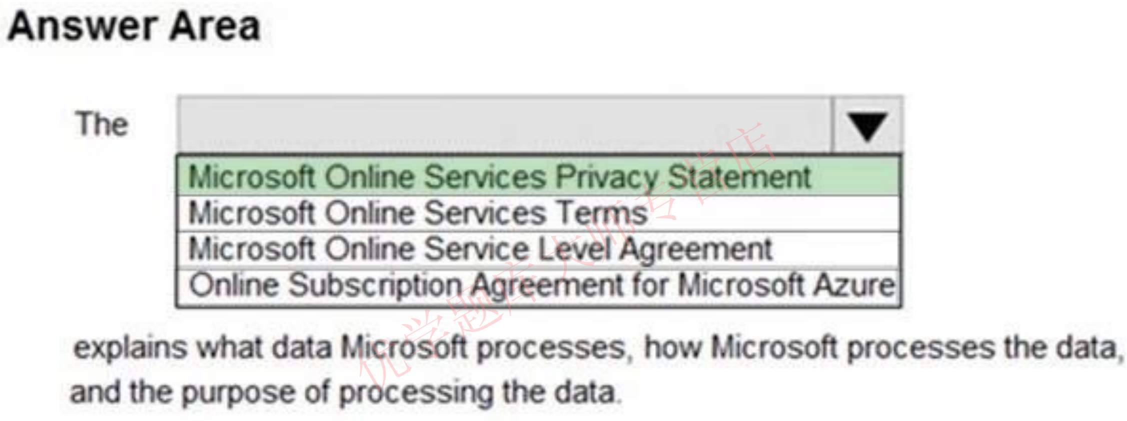
Answer Area

The

- Microsoft Online Services Privacy Statement
- Microsoft Online Services Terms
- Microsoft Online Service Level Agreement
- Online Subscription Agreement for Microsoft Azure

explains what data Microsoft processes, how Microsoft processes the data, and the purpose of processing the data.

Answer:



Answer Area

The

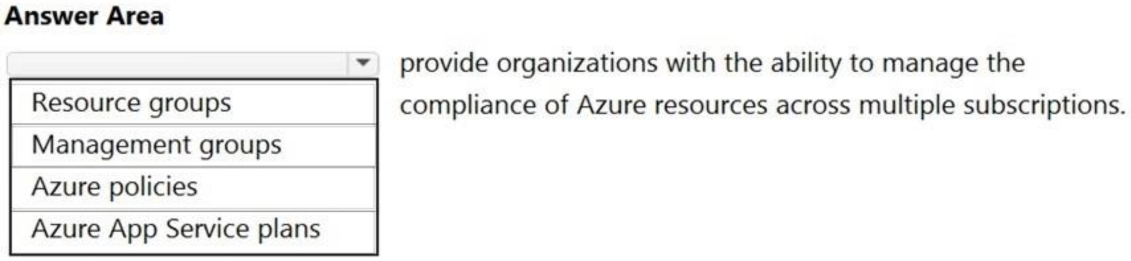
- Microsoft Online Services Privacy Statement
- Microsoft Online Services Terms
- Microsoft Online Service Level Agreement
- Online Subscription Agreement for Microsoft Azure

explains what data Microsoft processes, how Microsoft processes the data, and the purpose of processing the data.

Explanation:
The Microsoft Privacy Statement explains what personal data Microsoft processes, how Microsoft processes the data, and the purpose of processing the data.
Reference:
https://privacy.microsoft.com/en-us/privacystatement

QUESTION 292
Hotspot Question

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

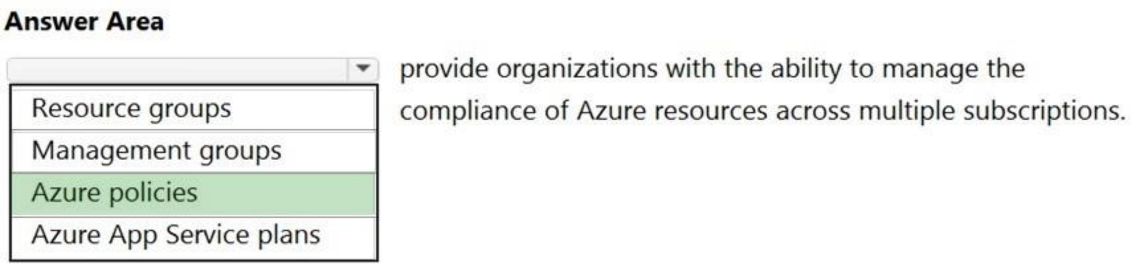


Answer Area

- Resource groups
- Management groups
- Azure policies
- Azure App Service plans

provide organizations with the ability to manage the compliance of Azure resources across multiple subscriptions.

Answer:



Answer Area

[▾] provide organizations with the ability to manage the compliance of Azure resources across multiple subscriptions.

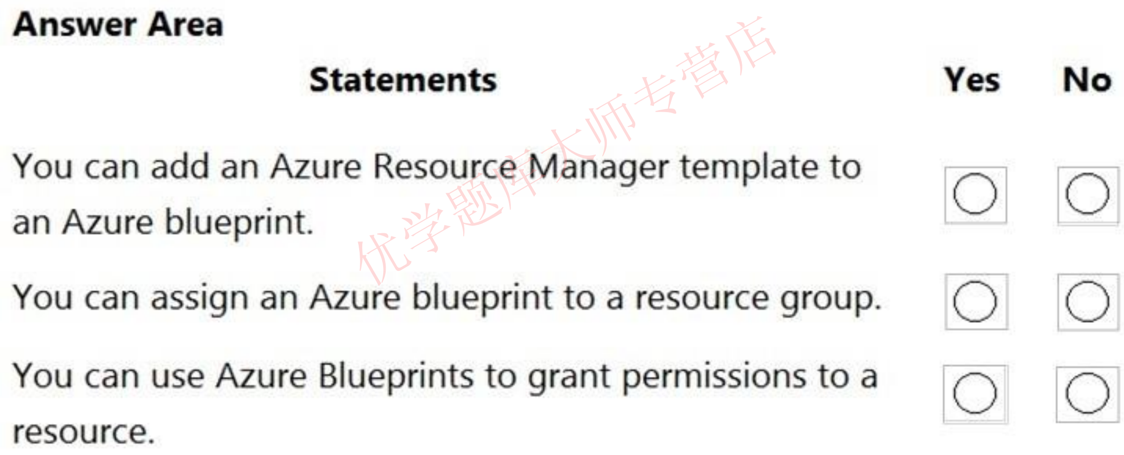
- Resource groups
- Management groups
- Azure policies
- Azure App Service plans

Explanation:
https://docs.microsoft.com/en-us/azure/governance/policy/overview

QUESTION 293
Hotspot Question

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

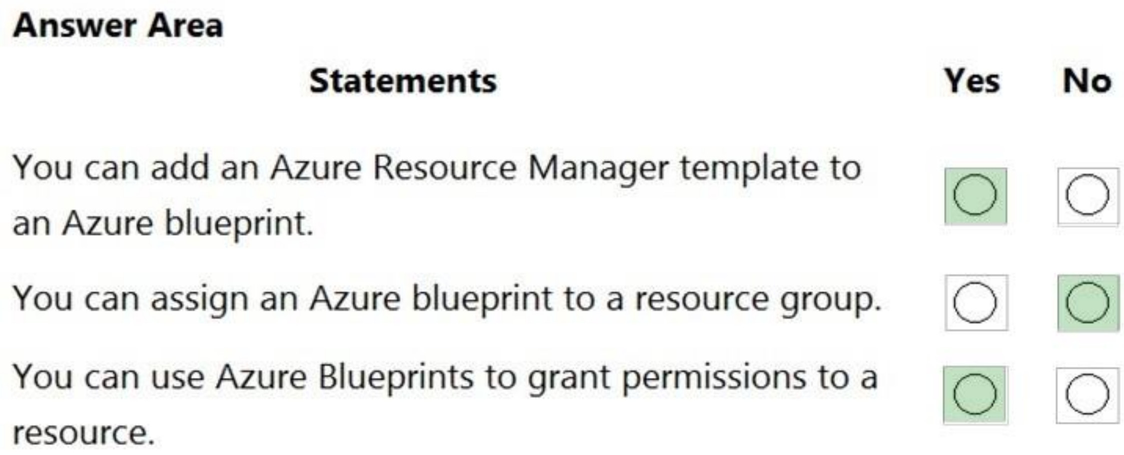
NOTE: Each correct selection is worth one point.



Answer Area

Statements	Yes	No
You can add an Azure Resource Manager template to an Azure blueprint.	○	○
You can assign an Azure blueprint to a resource group.	○	○
You can use Azure Blueprints to grant permissions to a resource.	○	○

Answer:



Answer Area

Statements	Yes	No
You can add an Azure Resource Manager template to an Azure blueprint.	●	○
You can assign an Azure blueprint to a resource group.	○	●
You can use Azure Blueprints to grant permissions to a resource.	●	○

Explanation:

https://docs.microsoft.com/en-us/azure/governance/blueprints/overview

QUESTION 294
What should you use to evaluate whether your company's Azure environment meets regulatory requirements?

A. Azure Security Center
B. Azure Advisor
C. Azure Service Health
D. Azure Knowledge Center

Answer: A

QUESTION 295
You have an azure virtual machine named VM1.
You plan to encrypt VM1 by using Azure Disk Encryption.
Which Azure resource must you create first?

A. An Azure Storage account
B. An Azure Information Protection policy
C. An Encryption Key
D. An Azure Key Vault

Answer: D

QUESTION 296
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

Answer: B
Explanation:
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

QUESTION 297
What can you use to identify underutilized or unused Azure virtual machines?

A. Azure Advisor

B. Azure Cost Management + Billing
C. Azure reservations
D. Azure Policy

Answer: A
Explanation:
Azure Advisor helps you optimize and reduce your overall Azure spend by identifying idle and underutilized resources. You can get cost recommendations from the Cost tab on the Advisor dashboard.

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

QUESTION 298
Your company has an Azure subscription that contains resources in several regions.

You need to ensure that administrators can only create resources in those regions.

What should you use?

A. a read-only lock
B. an Azure policy
C. a management group
D. a reservation

Answer: B
Explanation:
https://docs.microsoft.com/en-us/azure/governance/policy/overview

QUESTION 299
Your company has a Software Assurance agreement that includes Microsoft SQL Server licenses.

You plan to deploy SQL Server on Azure virtual machines.

What should you do to minimize licensing costs for the deployment?

A. Deallocate the virtual machines during off hours.
B. Use Azure Hybrid Benefit.
C. Configure Azure Cost Management budgets.
D. Use Azure reservations.

Answer: B
Explanation:
Azure Hybrid Benefit is a licensing benefit that helps you to significantly reduce the costs of running your workloads in the cloud. It works by letting you use your on-premises Software Assurance-enabled Windows Server and SQL Server licenses on Azure.

Reference:
https://azure.microsoft.com/en-us/pricing/hybrid-benefit/

QUESTION 300
Who can use the Azure Total Cost of Ownership (TCO) calculator?

A. billing readers for an Azure subscription only
B. owners for an Azure subscription only
C. anyone
D. all users who have an account in Azure Active Directory (Azure AD) that is linked to an Azure subscription only

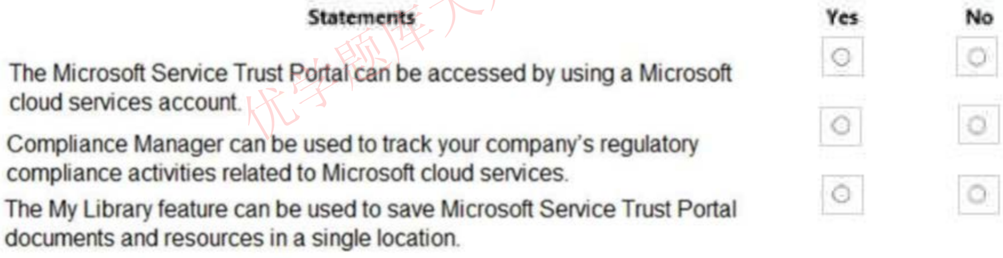
Answer: C
Explanation:
You don't need an Azure subscription to work with the TCO Calculator.

Reference:
https://docs.microsoft.com/en-us/learn/modules/plan-manage-azure-costs/2-compare-costs-tco-calculator

QUESTION 301
Hotspot Question

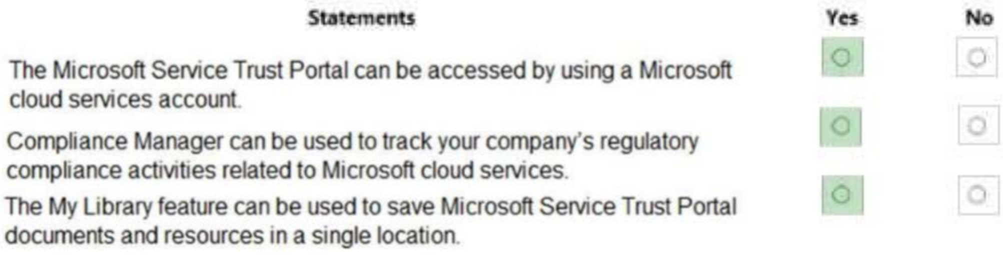
For each of the following statements, select Yes if the statement is true, Otherwise, select No.

NOTE: Each correct match is worth one point.



Statements	Yes	No
The Microsoft Service Trust Portal can be accessed by using a Microsoft cloud services account.	○	○
Compliance Manager can be used to track your company's regulatory compliance activities related to Microsoft cloud services.	○	○
The My Library feature can be used to save Microsoft Service Trust Portal documents and resources in a single location.	○	○

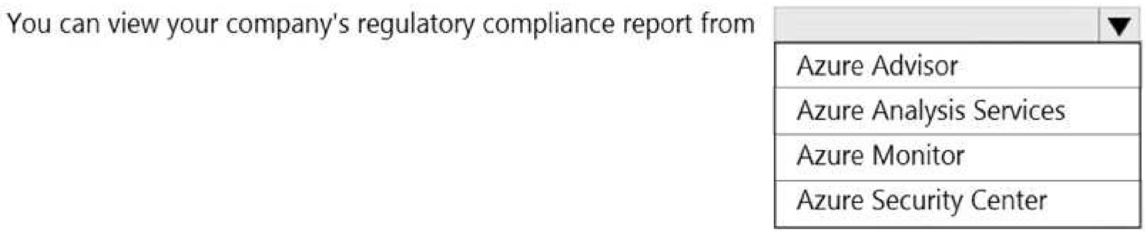
Answer:



Statements	Yes	No
The Microsoft Service Trust Portal can be accessed by using a Microsoft cloud services account.	●	○
Compliance Manager can be used to track your company's regulatory compliance activities related to Microsoft cloud services.	●	○
The My Library feature can be used to save Microsoft Service Trust Portal documents and resources in a single location.	●	○

QUESTION 302
Hotspot Question

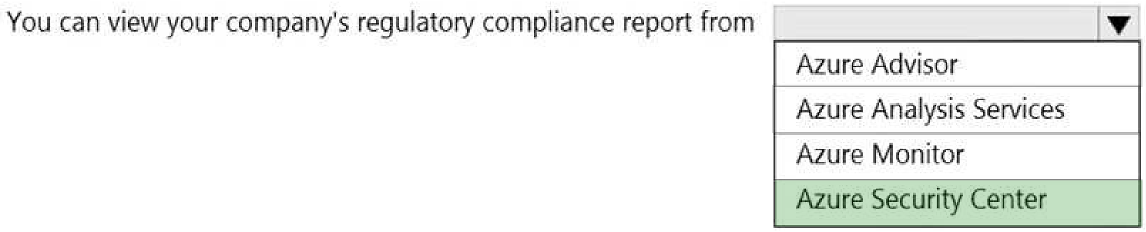
To complete the sentence, select the appropriate option in the answer area.



You can view your company's regulatory compliance report from

- Azure Advisor
- Azure Analysis Services
- Azure Monitor
- Azure Security Center

Answer:



You can view your company's regulatory compliance report from

- Azure Advisor
- Azure Analysis Services
- Azure Monitor
- [✓ Azure Security Center]

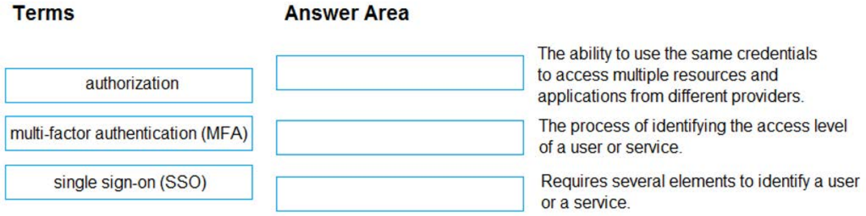
Explanation:
The advanced monitoring capabilities in Security Center lets you track and manage compliance and governance over time. The overall compliance provides you with a measure of how much your subscriptions are compliant with policies associated with your workload.

Reference:
https://docs.microsoft.com/en-us/azure/security-center/security-center-intro

QUESTION 303
Drag and Drop Question

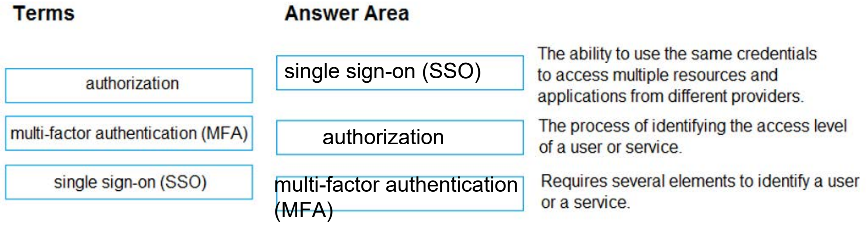
Match the term to the appropriate description.

To answer, drag the appropriate term from the column on the left to its description on the right. Each term may be used once, more than once, or not at all.
NOTE: Each correct match is worth one point.



Terms	Answer Area	
authorization		The ability to use the same credentials to access multiple resources and applications from different providers.
multi-factor authentication (MFA)		The process of identifying the access level of a user or service.
single sign-on (SSO)		Requires several elements to identify a user or a service.

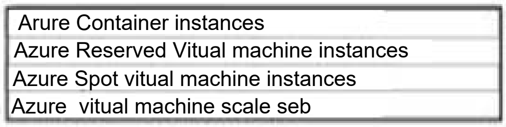
Answer:



Terms	Answer Area	
authorization	single sign-on (SSO)	The ability to use the same credentials to access multiple resources and applications from different providers.
multi-factor authentication (MFA)	authorization	The process of identifying the access level of a user or service.
single sign-on (SSO)	multi-factor authentication (MFA)	Requires several elements to identify a user or a service.

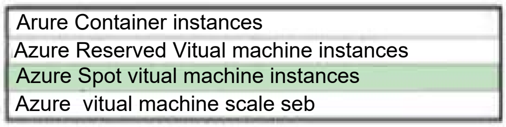
QUESTION 304
Hotspot Question

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


Arure Container instances
Azure Reserved Vitual machine instances
Azure Spot vitual machine instances
Azure vitual machine scale seb

provide access to unused Azure compute capacity at deep discounts.

Answer:

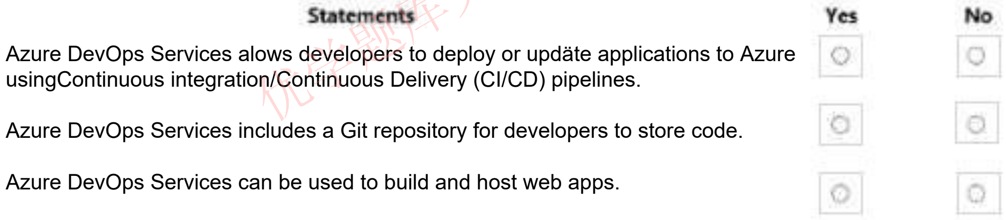

Arure Container instances
Azure Reserved Vitual machine instances
[✓ Azure Spot vitual machine instances]
Azure vitual machine scale seb

provide access to unused Azure compute capacity at deep discounts.

QUESTION 305

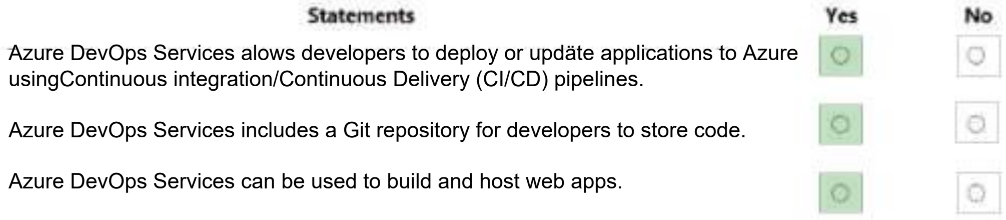
Hotspot Question

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



Statements	Yes	No
Azure DevOps Services alows developers to deploy or updäte applications to Azure usingContinuous integration/Continuous Delivery (CI/CD) pipelines.	○	○
Azure DevOps Services includes a Git repository for developers to store code.	○	○
Azure DevOps Services can be used to build and host web apps.	○	○

Answer:



Statements	Yes	No
Azure DevOps Services allows developers to deploy or updäte applications to Azure usingContinuous integration/Continuous Delivery (CI/CD) pipelines.	[✓ ○]	○
Azure DevOps Services includes a Git repository for developers to store code.	[✓ ○]	○
Azure DevOps Services can be used to build and host web apps.	[✓ ○]	○

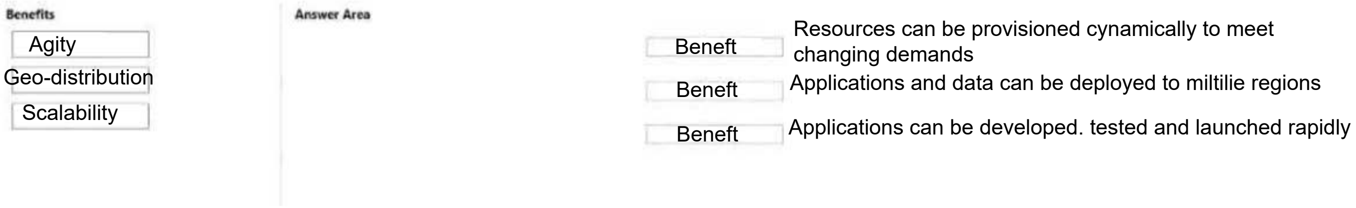
QUESTION 306

Drag and Drop Question

Match the cloud computing benefits to the correct descriptions.

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 match is worth one point



Benefits

Agity

Geo-distribution

Scalability

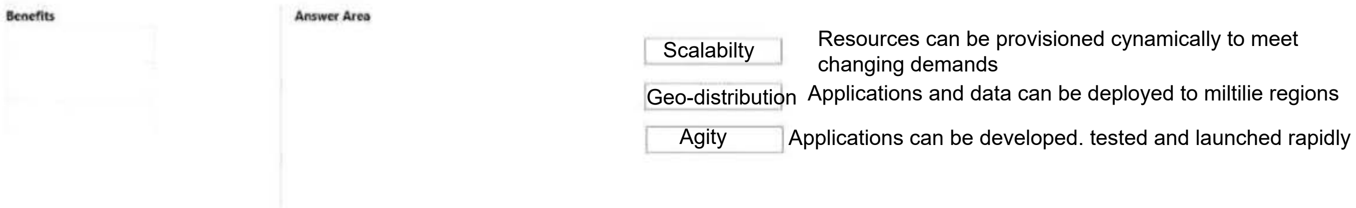
Answer Area

Beneft Resources can be provisioned cynamically to meet changing demands

Beneft Applications and data can be deployed to miltilie regions

Beneft Applications can be developed. tested and launched rapidly

Answer:



Benefits

Answer Area

Scalabilty Resources can be provisioned cynamically to meet changing demands

Geo-distribution Applications and data can be deployed to miltilie regions

Agity Applications can be developed. tested and launched rapidly

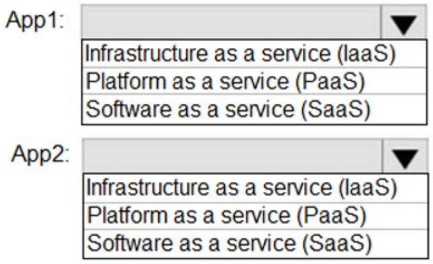
QUESTION 307

Hotspot Question

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

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

Which type of cloud service should you use for each app?



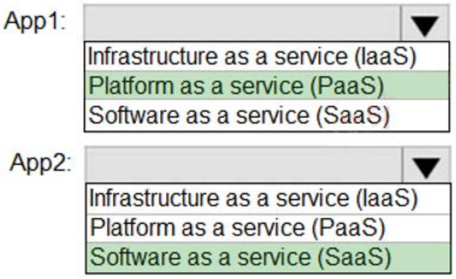
App1:

Infrastructure as a service (IaaS)
Platform as a service (PaaS)
Software as a service (SaaS)

App2:

Infrastructure as a service (IaaS)
Platform as a service (PaaS)
Software as a service (SaaS)

Answer:



App1:

Infrastructure as a service (IaaS)
Platform as a service (PaaS)
Software as a service (SaaS)

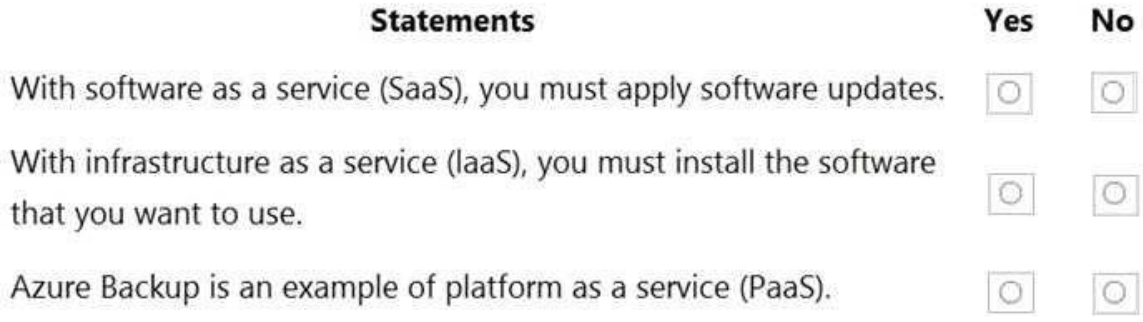
App2:

Infrastructure as a service (IaaS)
Platform as a service (PaaS)
Software as a service (SaaS)

QUESTION 308
Hotspot Question

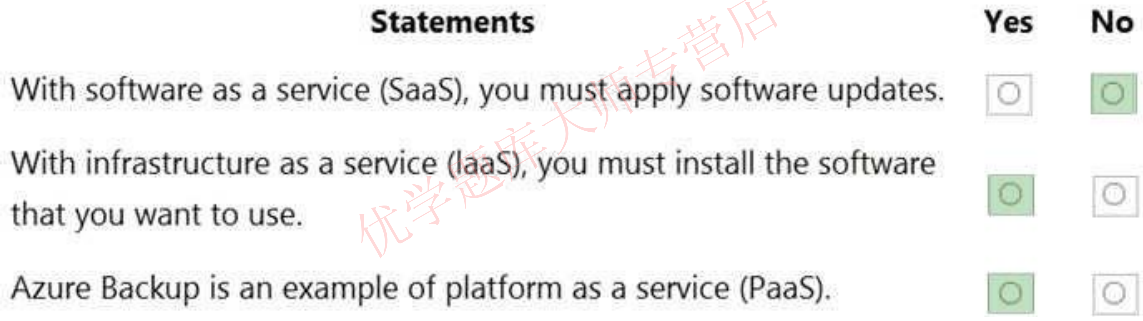
For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.



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).	○	○

Answer:

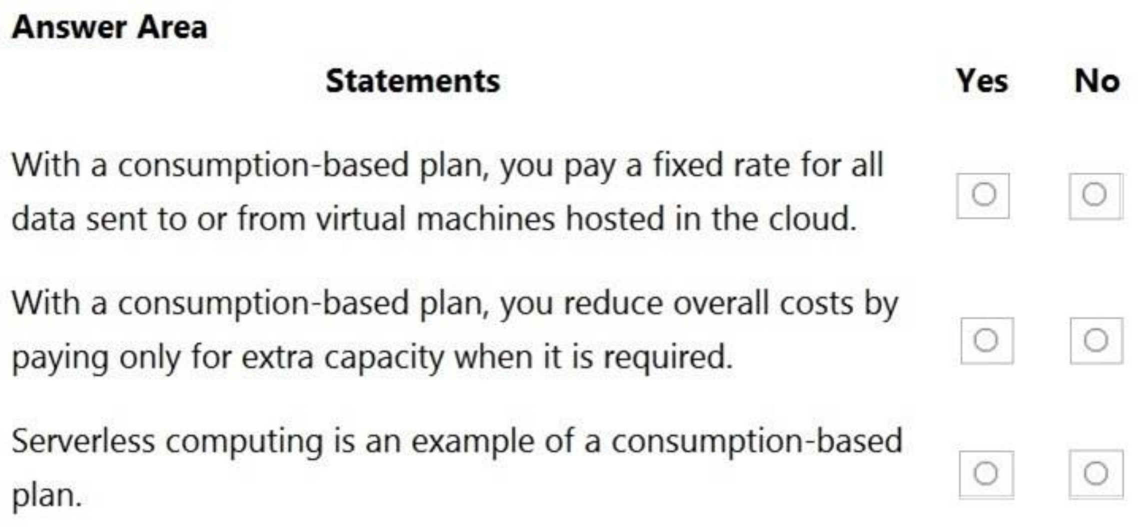


Statements	Yes	No
With software as a service (SaaS), you must apply software updates.	○	●
With infrastructure as a service (IaaS), you must install the software that you want to use.	●	○
Azure Backup is an example of platform as a service (PaaS).	●	○

QUESTION 309
Hotspot Question

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

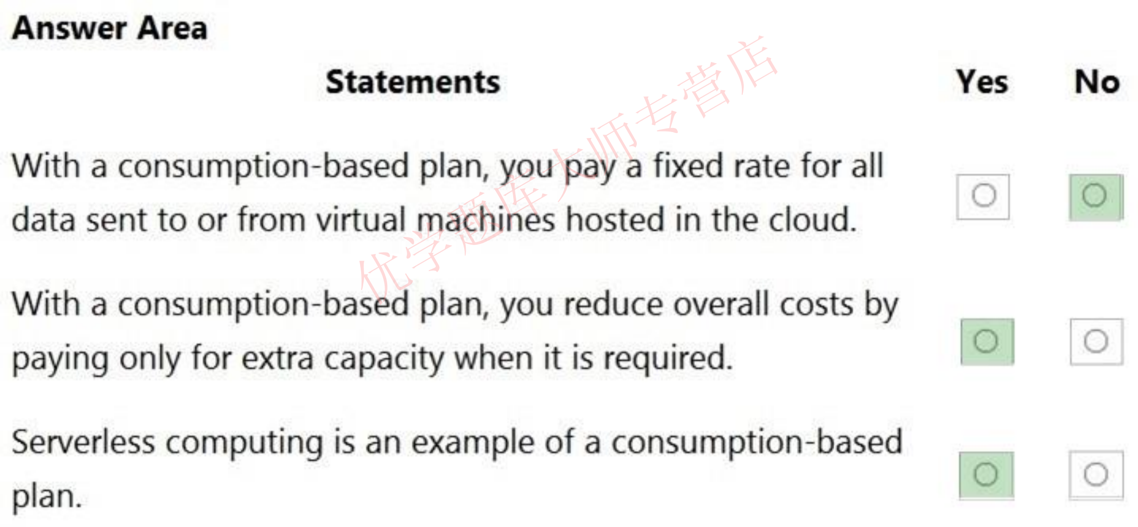
NOTE: Each correct selection is worth one point.



Answer Area

Statements	Yes	No
With a consumption-based plan, you pay a fixed rate for all data sent to or from virtual machines hosted in the cloud.	○	○
With a consumption-based plan, you reduce overall costs by paying only for extra capacity when it is required.	○	○
Serverless computing is an example of a consumption-based plan.	○	○

Answer:



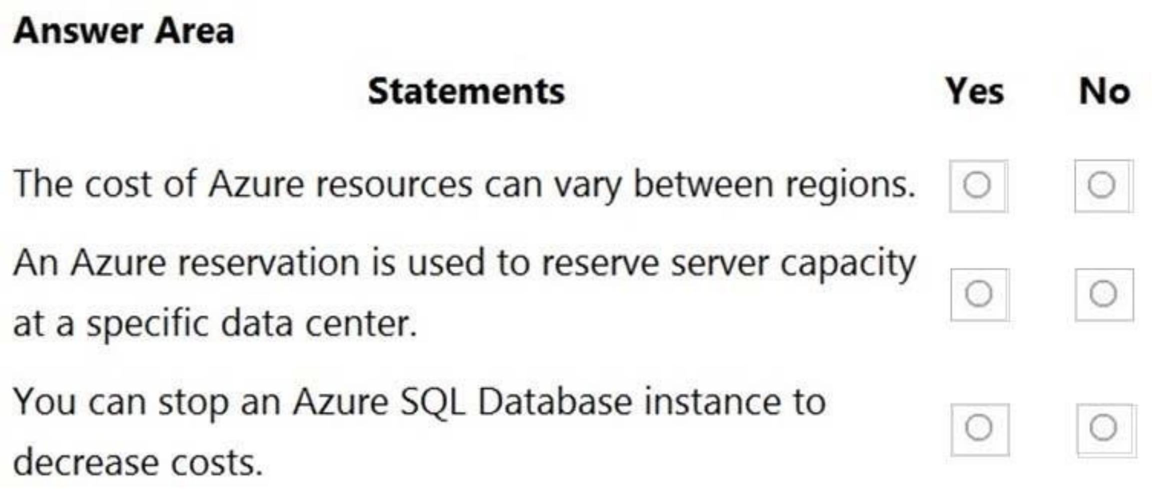
Answer Area

Statements	Yes	No
With a consumption-based plan, you pay a fixed rate for all data sent to or from virtual machines hosted in the cloud.	○	●
With a consumption-based plan, you reduce overall costs by paying only for extra capacity when it is required.	●	○
Serverless computing is an example of a consumption-based plan.	●	○

QUESTION 310
Hotspot Question

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

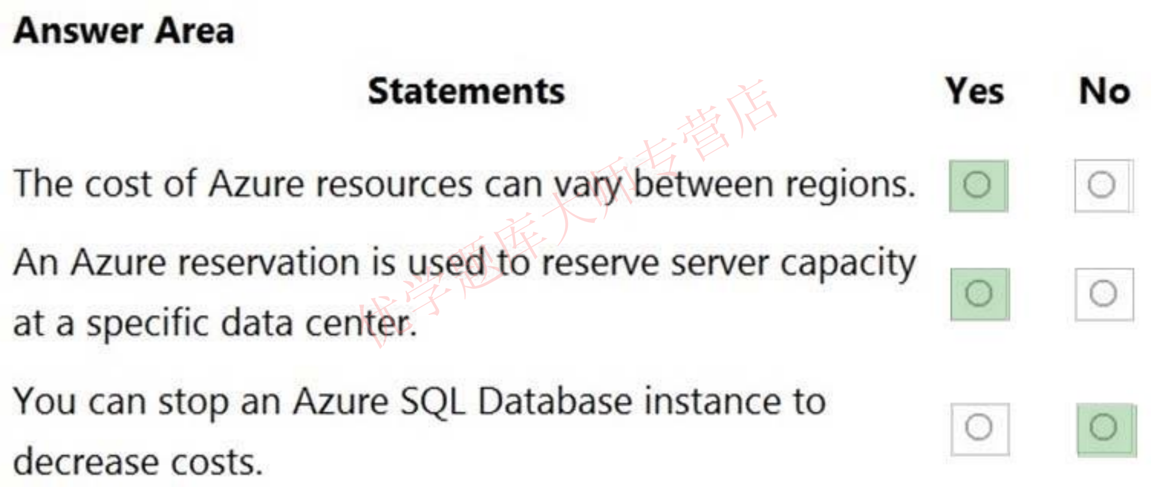
NOTE: Each correct selection is worth one point.



Answer Area

Statements	Yes	No
The cost of Azure resources can vary between regions.	○	○
An Azure reservation is used to reserve server capacity at a specific data center.	○	○
You can stop an Azure SQL Database instance to decrease costs.	○	○

Answer:

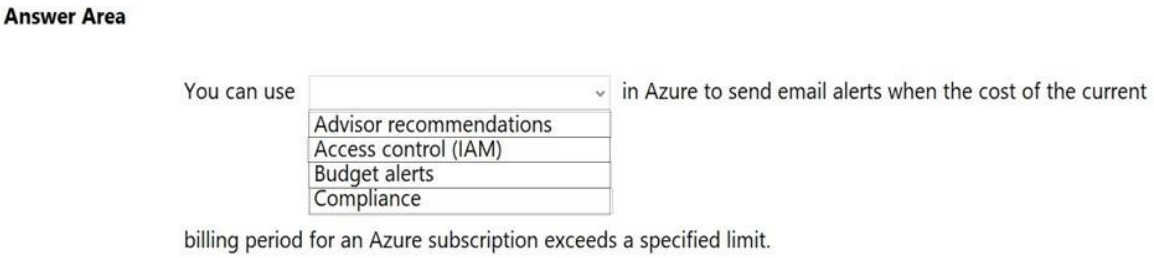


Answer Area

Statements	Yes	No
The cost of Azure resources can vary between regions.	●	○
An Azure reservation is used to reserve server capacity at a specific data center.	●	○
You can stop an Azure SQL Database instance to decrease costs.	○	●

QUESTION 311
Hotspot Question

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

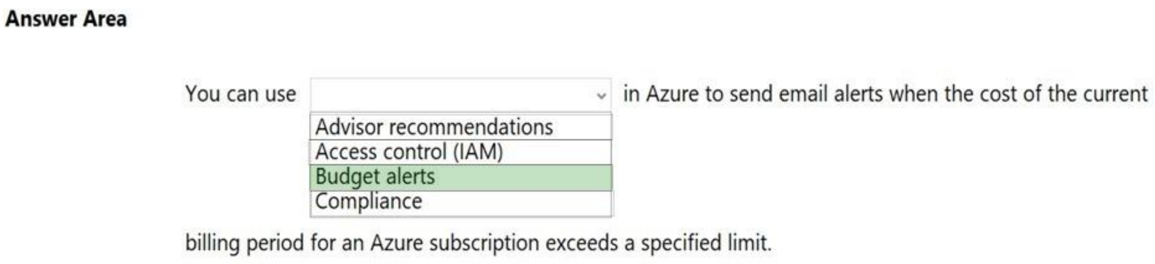


Answer Area

You can use [ ] in Azure to send email alerts when the cost of the current billing period for an Azure subscription exceeds a specified limit.

- Advisor recommendations
- Access control (IAM)
- Budget alerts
- Compliance

Answer:



Answer Area

You can use [⌄] in Azure to send email alerts when the cost of the current billing period for an Azure subscription exceeds a specified limit.

- Advisor recommendations
- Access control (IAM)
- Budget alerts 🟩
- Compliance

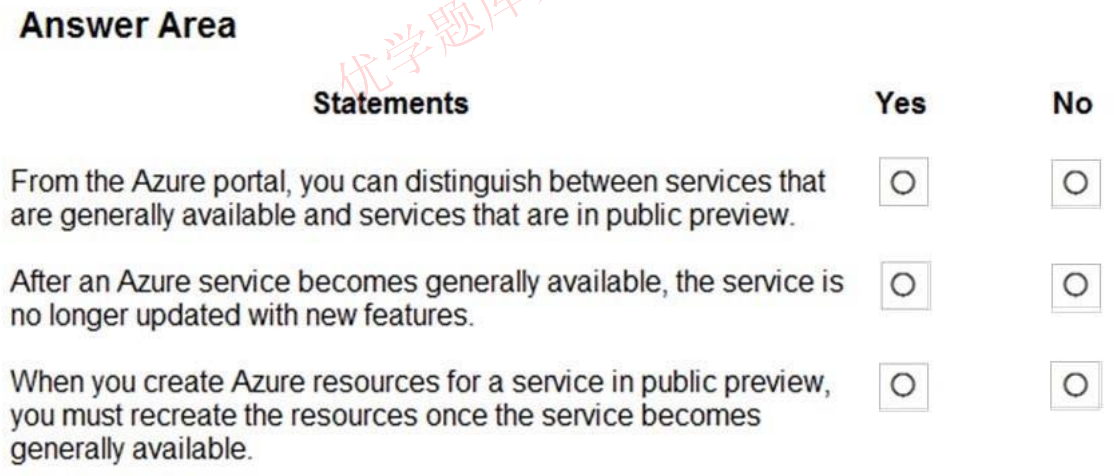
Explanation:
Budget alerts notify you when spending, based on usage or cost, reaches or exceeds the amount defined in the alert condition of the budget. Cost Management budgets are created using the Azure portal or the Azure Consumption API.

Reference:
https://docs.microsoft.com/en-us/azure/cost-management-billing/costs/cost-mgt-alerts-monitor-usage-spending

QUESTION 312
Hotspot Question

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

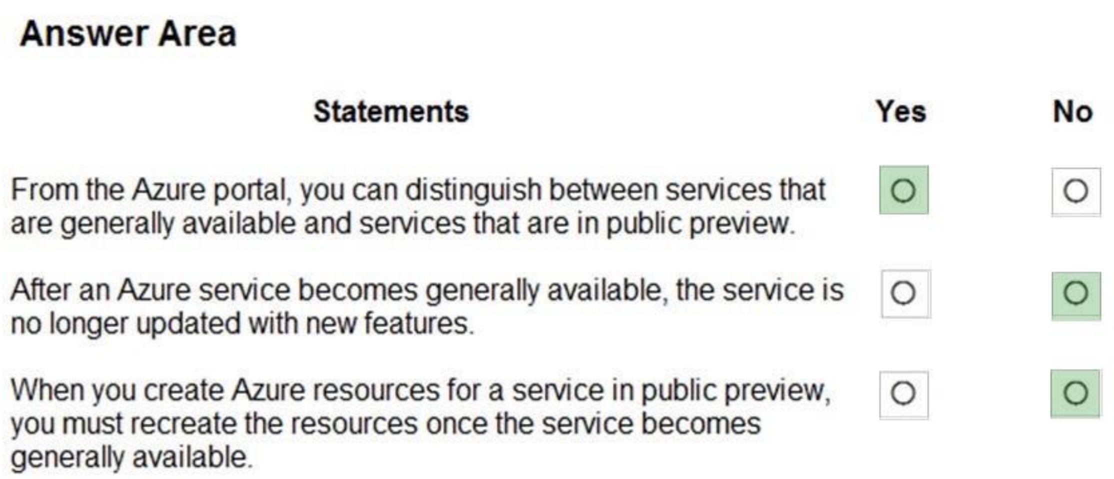
NOTE: Each correct selection is worth one point.



Answer Area

Statements	Yes	No
From the Azure portal, you can distinguish between services that are generally available and services that are in public preview.	○	○
After an Azure service becomes generally available, the service is no longer updated with new features.	○	○
When you create Azure resources for a service in public preview, you must recreate the resources once the service becomes generally available.	○	○

Answer:



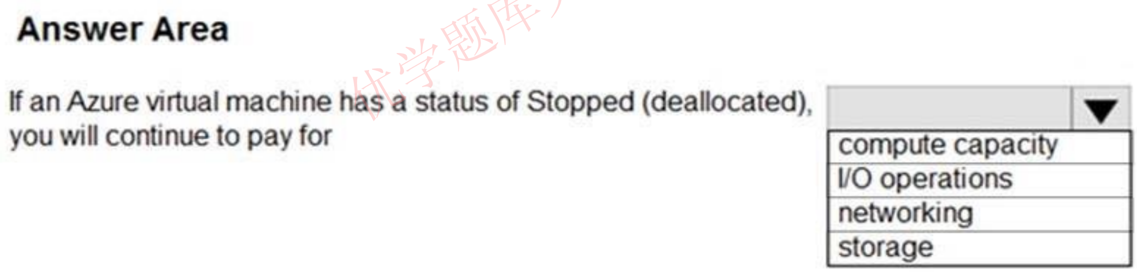
Answer Area

Statements	Yes	No
From the Azure portal, you can distinguish between services that are generally available and services that are in public preview.	●	○
After an Azure service becomes generally available, the service is no longer updated with new features.	○	●
When you create Azure resources for a service in public preview, you must recreate the resources once the service becomes generally available.	○	●

Explanation:
https://azure.microsoft.com/en-us/support/legal/preview-supplemental-terms/

QUESTION 313
Hotspot Question

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

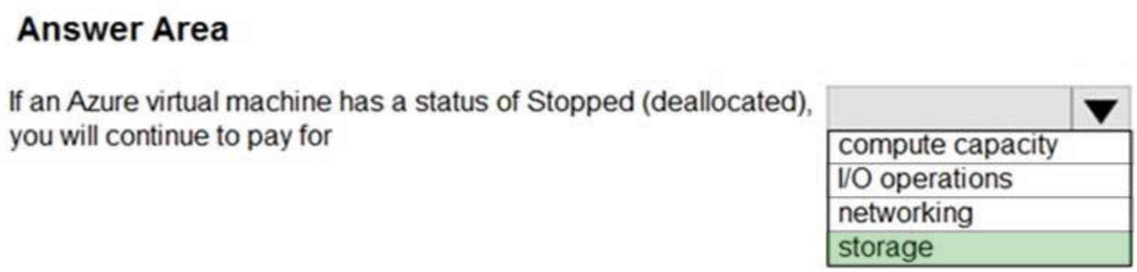


Answer Area

If an Azure virtual machine has a status of Stopped (deallocated), you will continue to pay for

- compute capacity
- I/O operations
- networking
- storage

Answer:



Answer Area

If an Azure virtual machine has a status of Stopped (deallocated), you will continue to pay for

- compute capacity
- I/O operations
- networking
- [✓ storage]

Explanation:
When a virtual machine is stopped (deallocated), the virtual machine is unloaded/dismounted from the physical server in Azure. In this state, you are not charged for the virtual machine itself. However, you are still charged for the storage costs of the virtual hard disks attached to the virtual machine.

If the virtual machine is stopped but not deallocated (this happens if you shut down the virtual machine from the operating system of the virtual machine), the virtual machine is still mounted on the physical server in Azure and you are charged for the virtual machine itself as well as the storage costs. To ensure that a virtual machine is `stopped (deallocated)', you need to stop the virtual machine in the Azure portal.

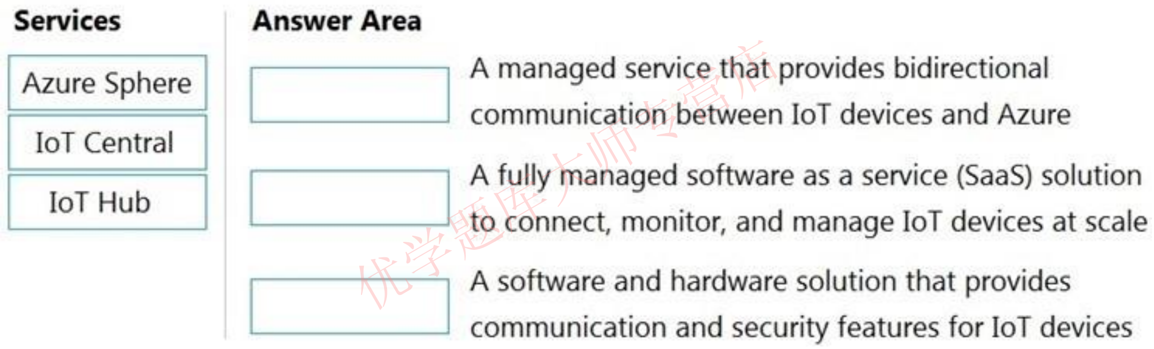
Reference:
https://blogs.technet.microsoft.com/uspartner_ts2team/2014/10/10/azure-virtual-machines-stopping-versus-stopping-deallocating/

QUESTION 314
Drag and Drop Question

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.



Services

Azure Sphere
IoT Central
IoT Hub

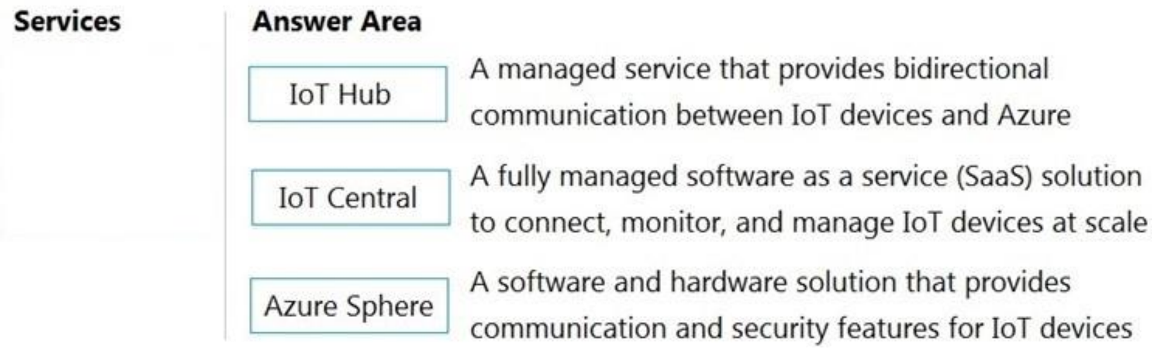
Answer Area

A managed service that provides bidirectional communication between IoT devices and Azure

A fully managed software as a service (SaaS) solution to connect, monitor, and manage IoT devices at scale

A software and hardware solution that provides communication and security features for IoT devices

Answer:



Services

Answer Area

IoT Hub — A managed service that provides bidirectional communication between IoT devices and Azure

IoT Central — A fully managed software as a service (SaaS) solution to connect, monitor, and manage IoT devices at scale

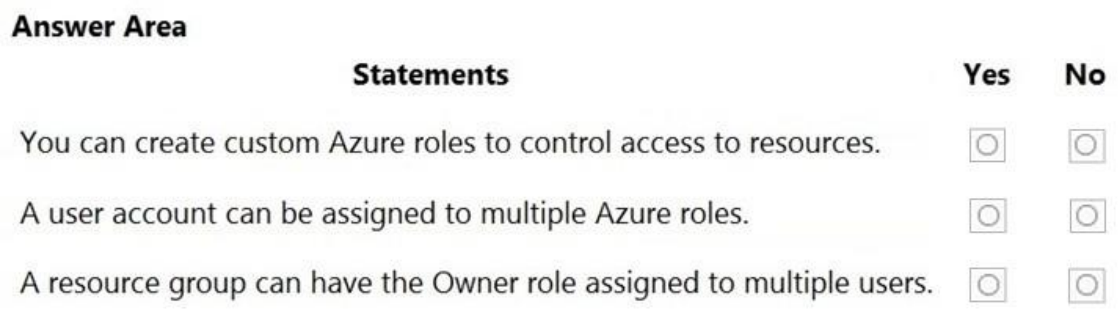
Azure Sphere — A software and hardware solution that provides communication and security features for IoT devices

Explanation:
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 315
Hotspot Question

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

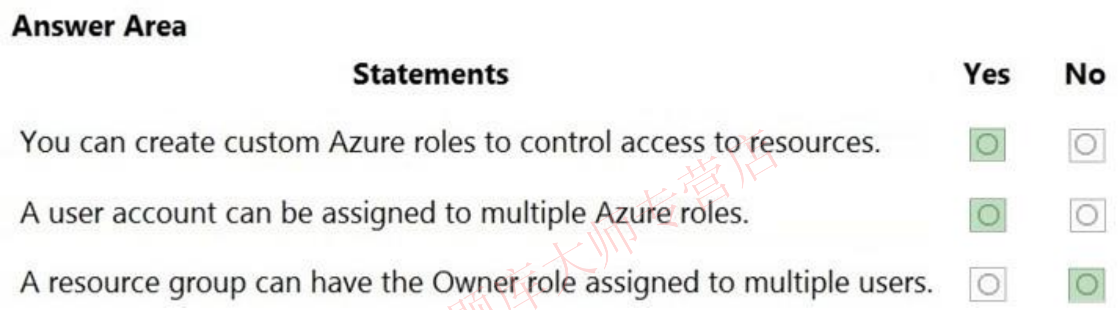
NOTE: Each correct selection is worth one point.



Answer Area

Statements	Yes	No
You can create custom Azure roles to control access to resources.	○	○
A user account can be assigned to multiple Azure roles.	○	○
A resource group can have the Owner role assigned to multiple users.	○	○

Answer:



Answer Area

Statements	Yes	No
You can create custom Azure roles to control access to resources.	●	○
A user account can be assigned to multiple Azure roles.	●	○
A resource group can have the Owner role assigned to multiple users.	○	●

Explanation:
Box 1: No

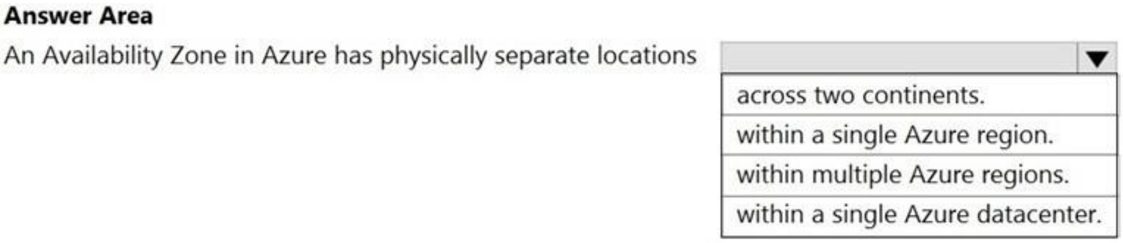
Box 2: No
Each resource can exist in only one resource group.

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 316
Hotspot Question

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

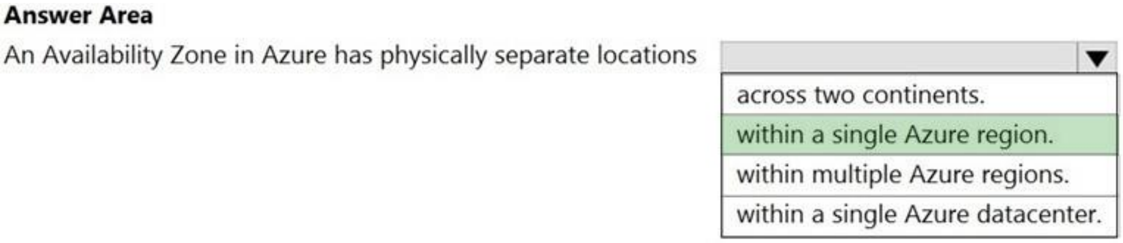


Answer Area

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.

Answer:



Answer Area

An Availability Zone in Azure has physically separate locations

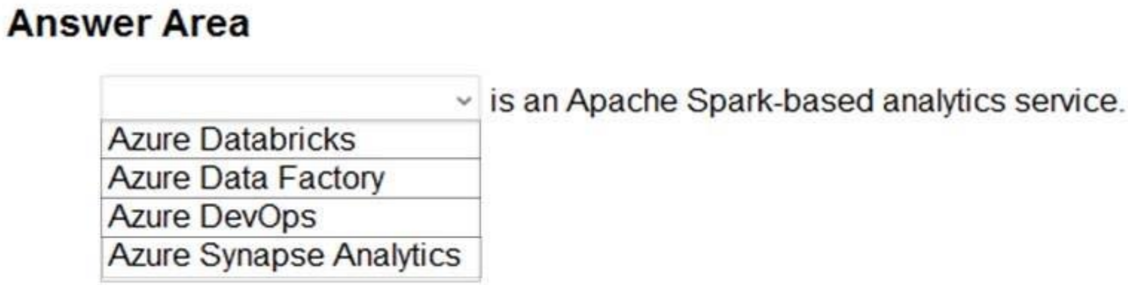
- across two continents.
- [✓ within a single Azure region.]
- within multiple Azure regions.
- within a single Azure datacenter.

Explanation:
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 317
Hotspot Question

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

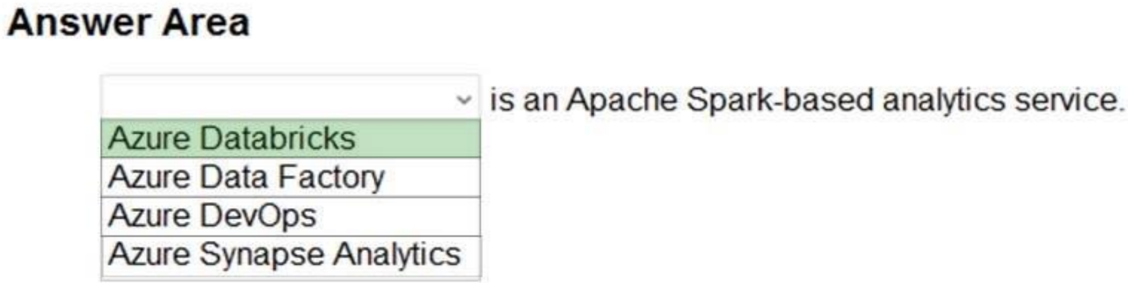


Answer Area

- Azure Databricks
- Azure Data Factory
- Azure DevOps
- Azure Synapse Analytics

is an Apache Spark-based analytics service.

Answer:



Answer Area

- [✓ Azure Databricks]
- Azure Data Factory
- Azure DevOps
- Azure Synapse Analytics

is an Apache Spark-based analytics service.

Explanation:
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 318
You need to purchase a third-party virtual security appliance that you will deploy to an Azure subscription.

What should you use?

A. Azure subscriptions
B. Azure Security Center
C. Azure Marketplace
D. Microsoft Store

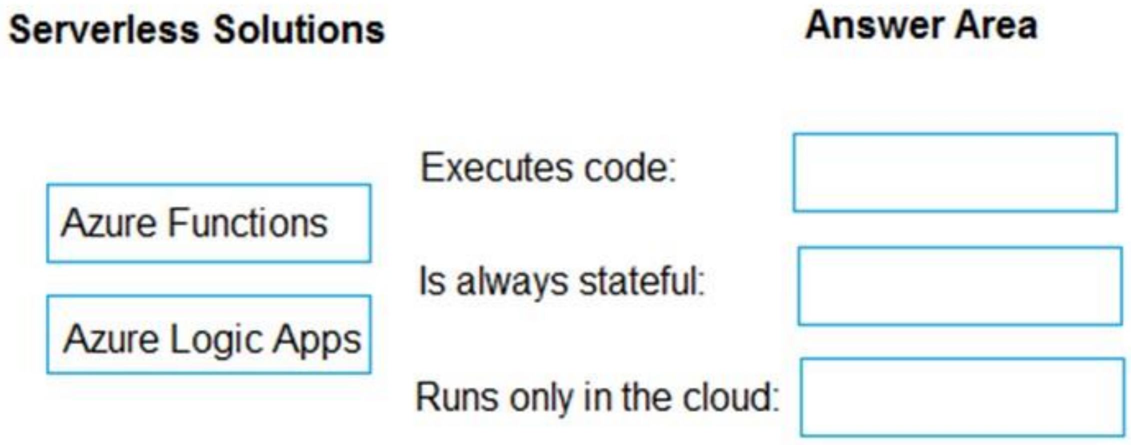
Answer: C
Explanation:
https://docs.microsoft.com/en-us/azure/cost-management-billing/manage/ea-azure-marketplace

QUESTION 319
Drag and Drop Question

Match the serverless solution to the correct characteristic.

To answer, drag the appropriate serverless solution from the column on the left to its characteristic on the right. Each serverless solution may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.



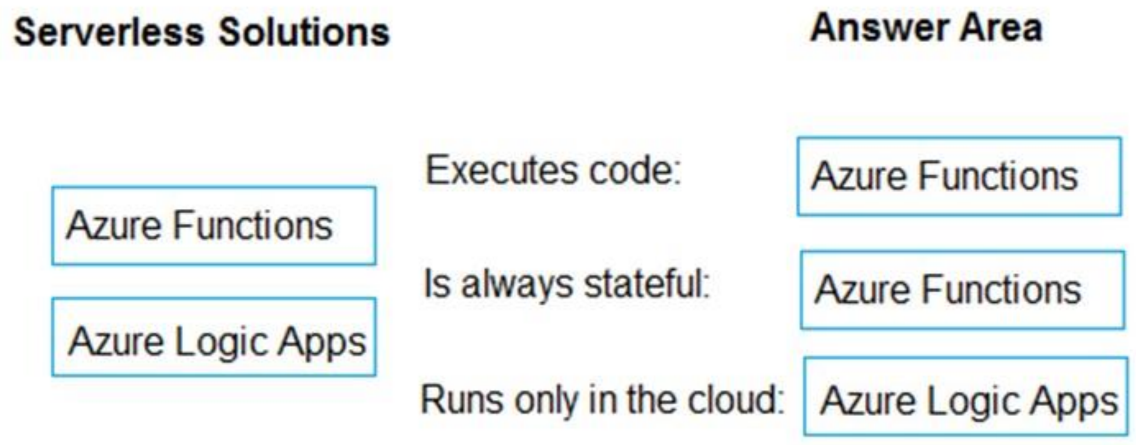
Serverless Solutions

Azure Functions
Azure Logic Apps

Answer Area

Executes code:
Is always stateful:
Runs only in the cloud:

Answer:



Serverless Solutions

Azure Functions

Azure Logic Apps

Answer Area

Executes code: Azure Functions

Is always stateful: Azure Functions

Runs only in the cloud: Azure Logic Apps

Explanation:
Box 1: Azure Functions
Azure Functions allows you to implement your system's logic into readily available blocks of code called "functions". Different functions can run anytime you need to respond to critical events.

Box 2: Azure Functions
Azure Logic Apps can have multiple stateful and stateless workflows.

Box 3: Azure Logic Apps
Azure Logic Apps is a cloud-based platform for creating and running automated workflows that integrate your apps, data, services, and systems.

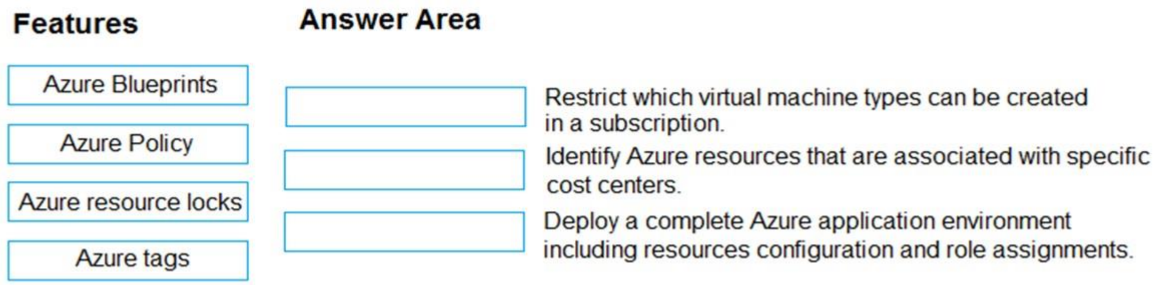
Reference:
https://docs.microsoft.com/en-us/azure/logic-apps/logic-apps-overview
https://docs.microsoft.com/en-us/azure/azure-functions/functions-overview

QUESTION 320
Drag and Drop Question

Match the Azure governance feature to the correct description.

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

NOTE: Each correct match is worth one point.



Features

Azure Blueprints

Azure Policy

Azure resource locks

Azure tags

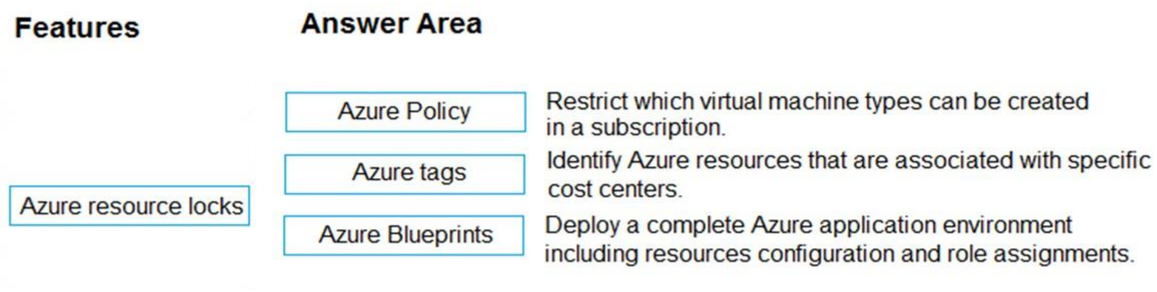
Answer Area

Restrict which virtual machine types can be created in a subscription.

Identify Azure resources that are associated with specific cost centers.

Deploy a complete Azure application environment including resources configuration and role assignments.

Answer:



Features

Azure resource locks

Answer Area

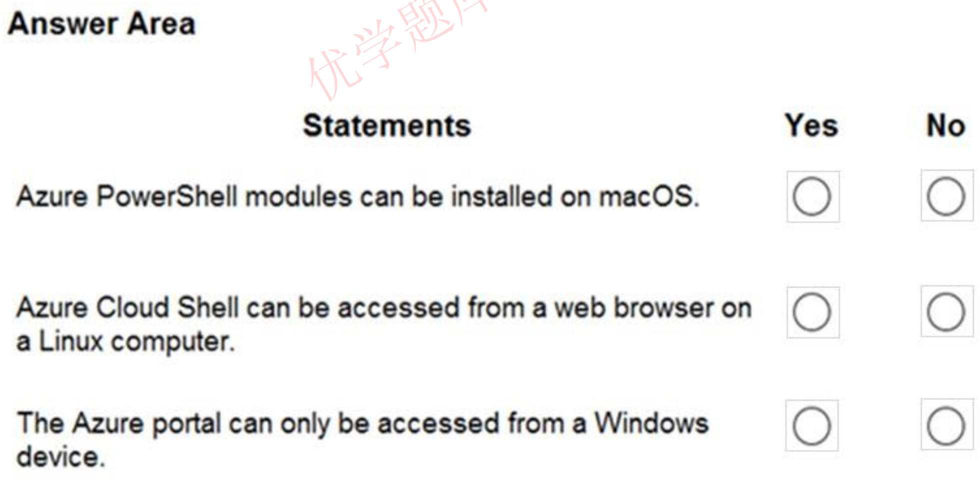
Azure Policy	Restrict which virtual machine types can be created in a subscription.
Azure tags	Identify Azure resources that are associated with specific cost centers.
Azure Blueprints	Deploy a complete Azure application environment including resources configuration and role assignments.

Explanation:
https://docs.microsoft.com/en-us/azure/governance/blueprints/overview
https://docs.microsoft.com/en-us/azure/governance/policy/overview
https://docs.microsoft.com/en-us/azure/azure-resource-manager/management/tag-resources?tabs=json
https://docs.microsoft.com/en-us/azure/azure-resource-manager/management/lock-resources?tabs=json

QUESTION 321
Hotspot Question

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

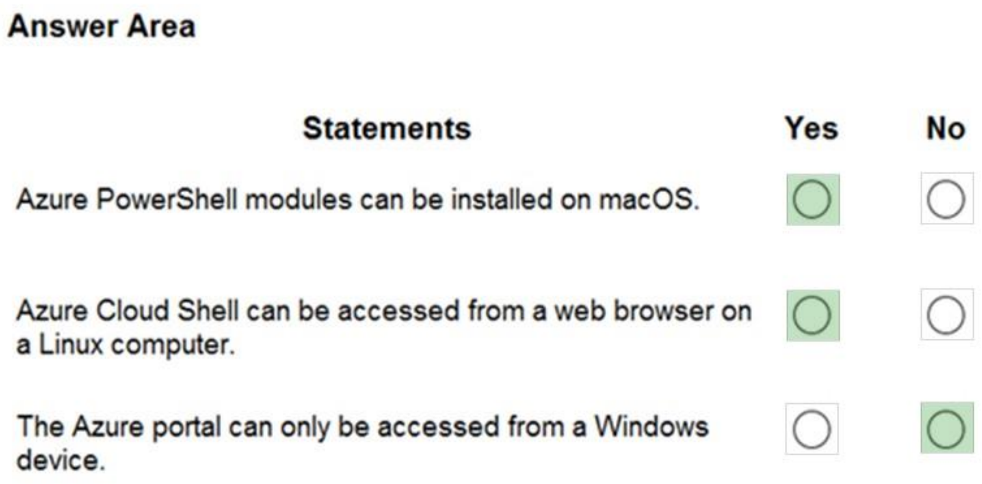
NOTE: Each correct selection is worth one point.



Answer Area

Statements	Yes	No
Azure PowerShell modules can be installed on macOS.	○	○
Azure Cloud Shell can be accessed from a web browser on a Linux computer.	○	○
The Azure portal can only be accessed from a Windows device.	○	○

Answer:



Answer Area

Statements	Yes	No
Azure PowerShell modules can be installed on macOS.	●	○
Azure Cloud Shell can be accessed from a web browser on a Linux computer.	●	○
The Azure portal can only be accessed from a Windows device.	○	●

Explanation:
You can install the Az PowerShell module locally on Windows, macOS, and Linux. It can also be used from a browser through Azure Cloud Shell or inside a Docker container.

Reference:
https://docs.microsoft.com/en-us/powershell/azure/what-is-azure-powershell?view=azps-6.6.0
https://serverfault.com/questions/323973/how-do-i-access-the-windows-azure-management-portal-from-ubuntu

QUESTION 322
You have an Azure Sentinel workspace.

You need to automate responses to threats detected by Azure Sentinel.

What should you use?

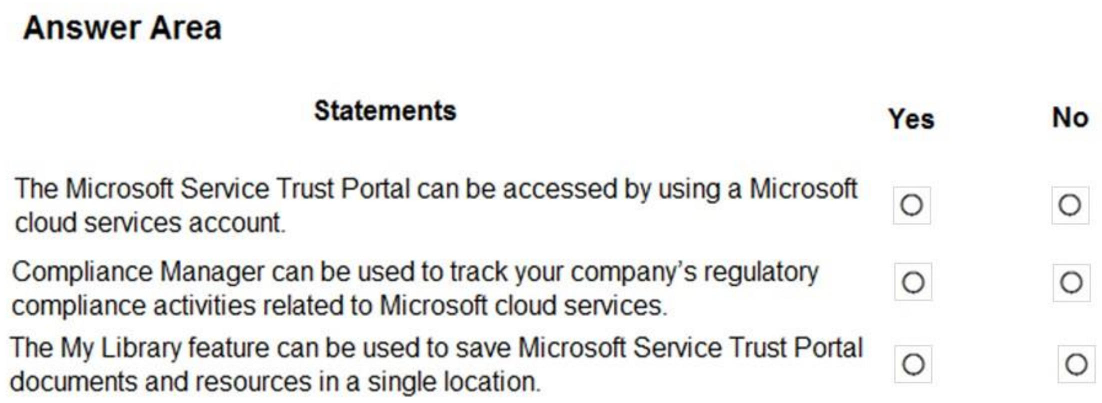
A. adaptive network hardening in Azure Security Center
B. Azure Service Health
C. Azure Monitor workbooks
D. adaptive application controls in Azure Security Center

Answer: C

QUESTION 323
Hotspot Question

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

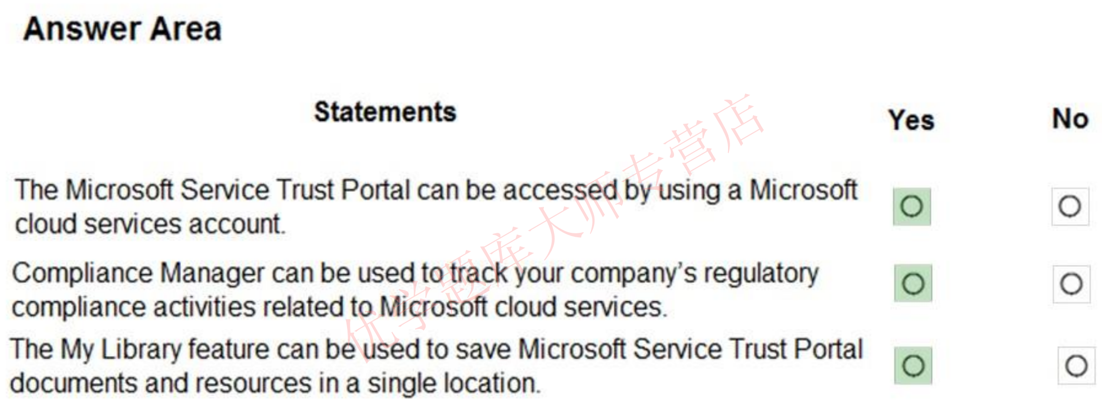
NOTE: Each correct selection is worth one point.



Answer Area

Statements	Yes	No
The Microsoft Service Trust Portal can be accessed by using a Microsoft cloud services account.	○	○
Compliance Manager can be used to track your company's regulatory compliance activities related to Microsoft cloud services.	○	○
The My Library feature can be used to save Microsoft Service Trust Portal documents and resources in a single location.	○	○

Answer:



Answer Area

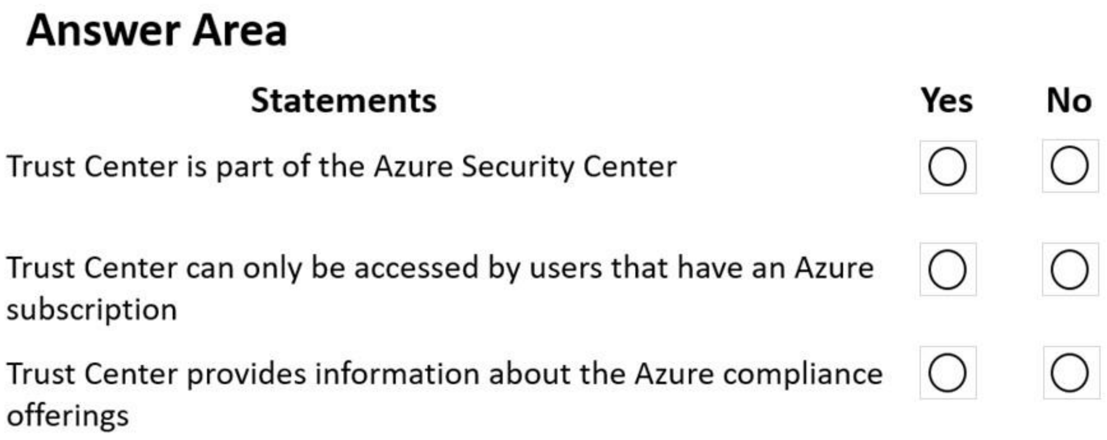
Statements	Yes	No
The Microsoft Service Trust Portal can be accessed by using a Microsoft cloud services account.	[✓ ○]	○
Compliance Manager can be used to track your company's regulatory compliance activities related to Microsoft cloud services.	[✓ ○]	○
The My Library feature can be used to save Microsoft Service Trust Portal documents and resources in a single location.	[✓ ○]	○

Explanation:
https://docs.microsoft.com/en-us/microsoft-365/compliance/get-started-with-service-trust-portal?view=o365-worldwide

QUESTION 324
Hotspot Question

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

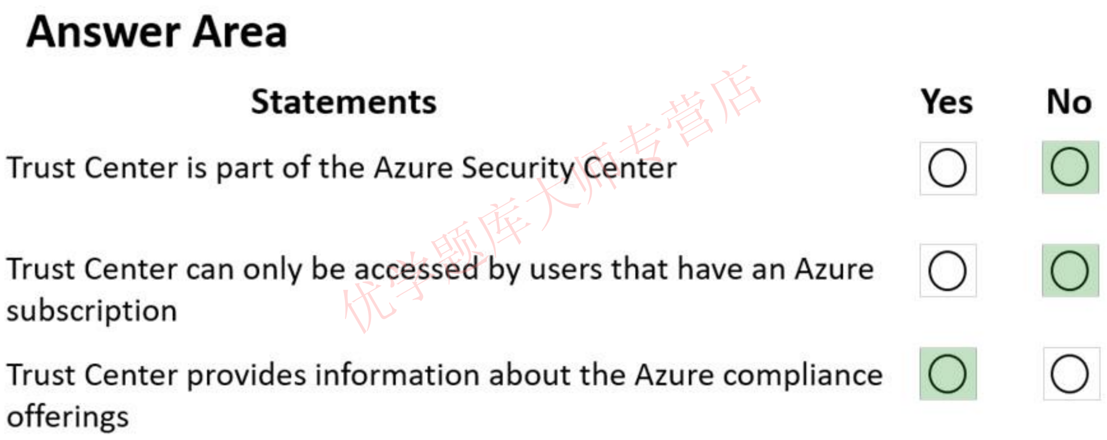
NOTE: Each correct selection is worth one point.



Answer Area

Statements	Yes	No
Trust Center is part of the Azure Security Center	○	○
Trust Center can only be accessed by users that have an Azure subscription	○	○
Trust Center provides information about the Azure compliance offerings	○	○

Answer:



Answer Area

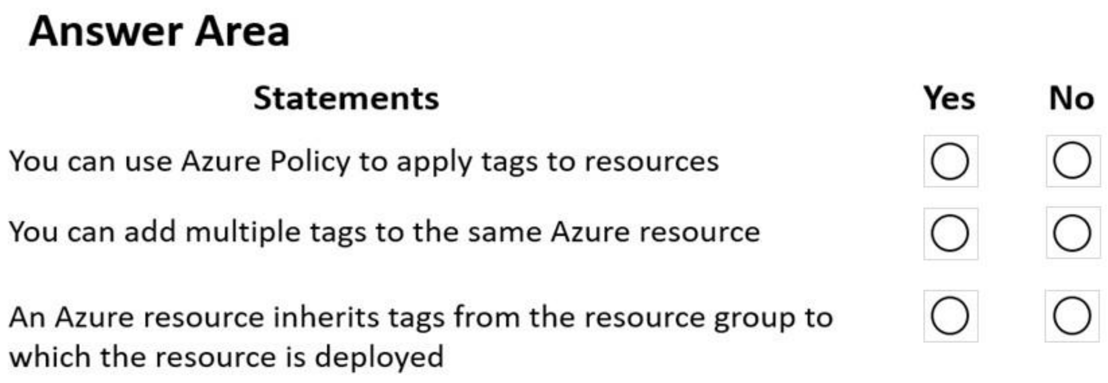
Statements	Yes	No
Trust Center is part of the Azure Security Center	○	●
Trust Center can only be accessed by users that have an Azure subscription	○	●
Trust Center provides information about the Azure compliance offerings	●	○

Explanation:
https://www.microsoft.com/en-us/trust-center

QUESTION 325
Hotspot Question

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

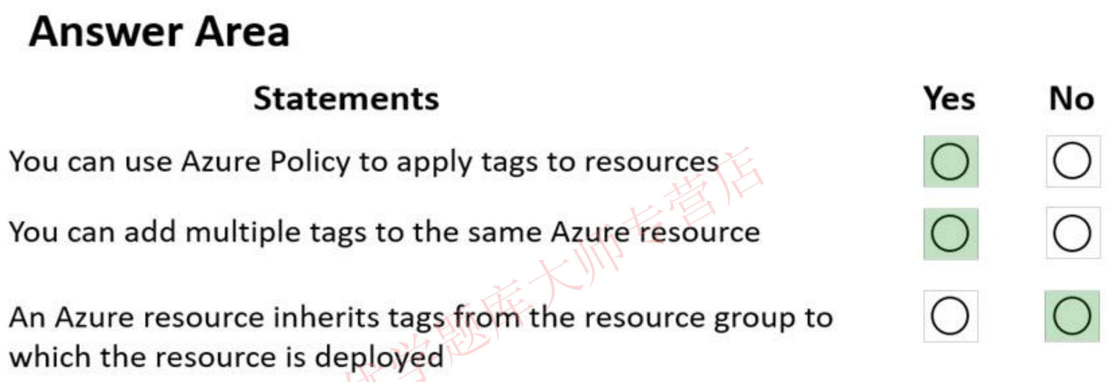
NOTE: Each correct selection is worth one point.



Answer Area

Statements	Yes	No
You can use Azure Policy to apply tags to resources	○	○
You can add multiple tags to the same Azure resource	○	○
An Azure resource inherits tags from the resource group to which the resource is deployed	○	○

Answer:



Answer Area

Statements	Yes	No
You can use Azure Policy to apply tags to resources	●	○
You can add multiple tags to the same Azure resource	●	○
An Azure resource inherits tags from the resource group to which the resource is deployed	○	●

Explanation:
Box 1: Yes
You use Azure Policy to enforce tagging rules and conventions.

Box 2: Yes
Each resource or resource group can have a maximum of 50 tags.

Box 3: No
Tags applied to the resource group or subscription aren't inherited by the resources.

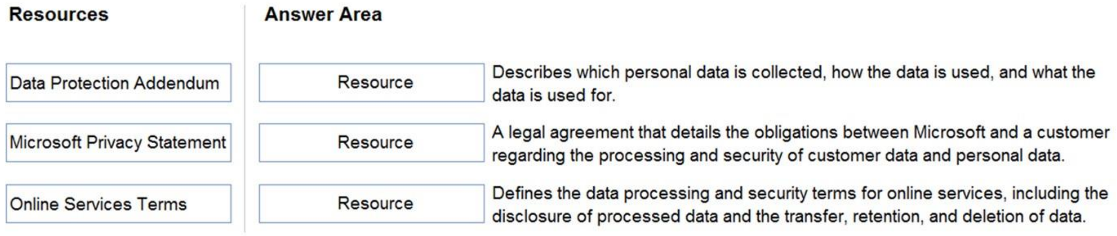
Reference:
https://docs.microsoft.com/en-us/azure/azure-resource-manager/management/tag-policies
https://docs.microsoft.com/en-us/azure/governance/policy/tutorials/govern-tags
https://docs.microsoft.com/en-us/azure/azure-resource-manager/management/tag-resources

QUESTION 326
Drag and Drop Question

Match the resources to the appropriate descriptions.

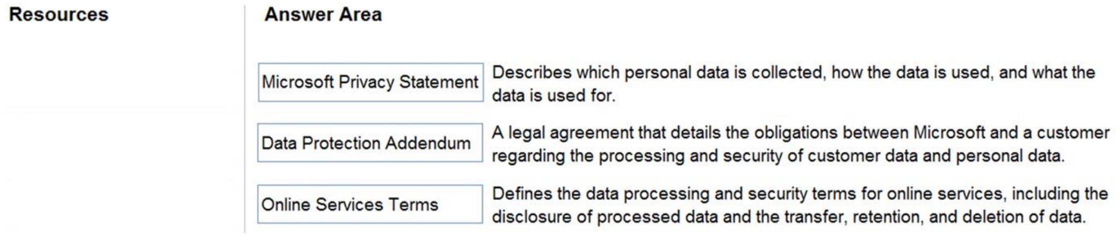
To answer, drag the appropriate resource from the column on the left to its description on the right. Each resource may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.



Resources	Answer Area	
Data Protection Addendum	Resource	Describes which personal data is collected, how the data is used, and what the data is used for.
Microsoft Privacy Statement	Resource	A legal agreement that details the obligations between Microsoft and a customer regarding the processing and security of customer data and personal data.
Online Services Terms	Resource	Defines the data processing and security terms for online services, including the disclosure of processed data and the transfer, retention, and deletion of data.

Answer:

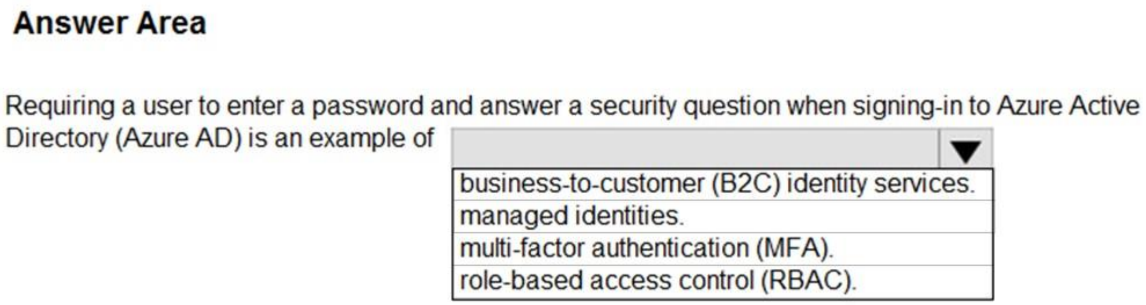


Resources	Answer Area	
	Microsoft Privacy Statement	Describes which personal data is collected, how the data is used, and what the data is used for.
	Data Protection Addendum	A legal agreement that details the obligations between Microsoft and a customer regarding the processing and security of customer data and personal data.
	Online Services Terms	Defines the data processing and security terms for online services, including the disclosure of processed data and the transfer, retention, and deletion of data.

Explanation:
https://azure.microsoft.com/en-us/support/legal/

QUESTION 327
Hotspot Question

Select the answer that correctly completes the sentence.

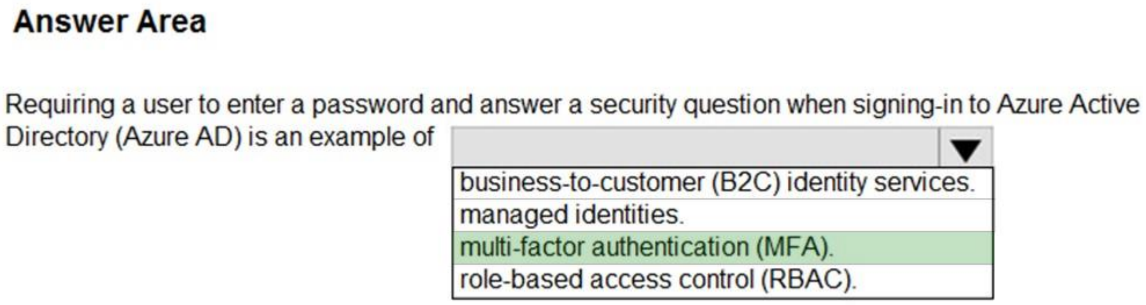


Answer Area

Requiring a user to enter a password and answer a security question when signing-in to Azure Active Directory (Azure AD) is an example of

- business-to-customer (B2C) identity services.
- managed identities.
- multi-factor authentication (MFA).
- role-based access control (RBAC).

Answer:



Answer Area

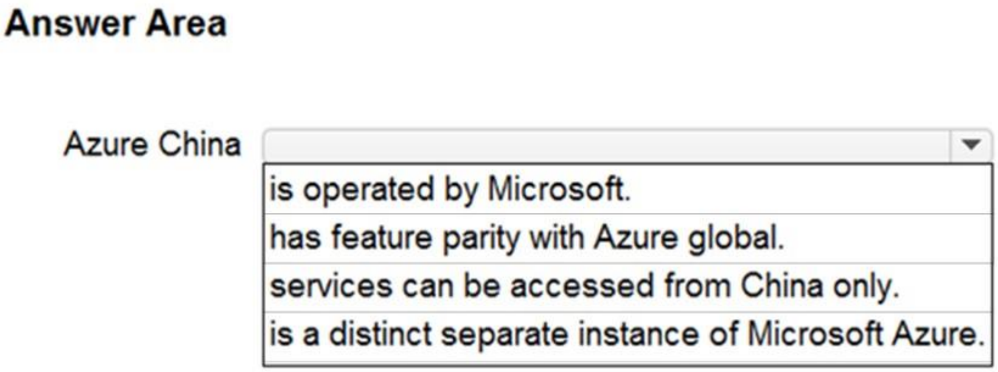
Requiring a user to enter a password and answer a security question when signing-in to Azure Active Directory (Azure AD) is an example of

- business-to-customer (B2C) identity services.
- managed identities.
- multi-factor authentication (MFA).
- role-based access control (RBAC).

Explanation:
https://docs.microsoft.com/en-us/azure/active-directory/authentication/concept-mfa-howitworks

QUESTION 328
Hotspot Question

Select the answer that correctly completes the sentence.

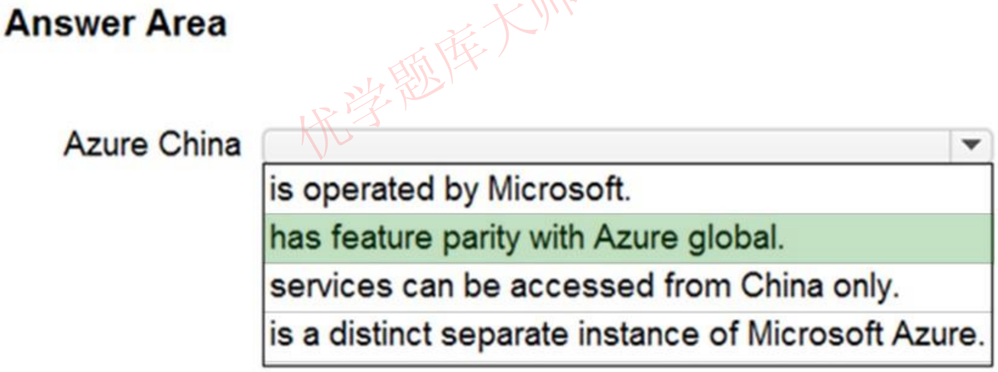


Answer Area

Azure China

is operated by Microsoft.
has feature parity with Azure global.
services can be accessed from China only.
is a distinct separate instance of Microsoft Azure.

Answer:



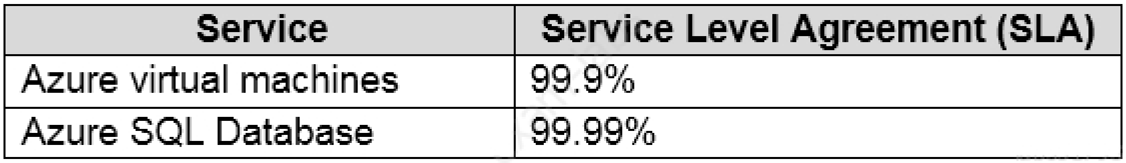
Answer Area

Azure China

is operated by Microsoft.
has feature parity with Azure global.
services can be accessed from China only.
is a distinct separate instance of Microsoft Azure.

Explanation:
https://support.azure.cn/en-us/support/faq/

QUESTION 329
You have an Azure application that uses the services shown in the following table.



Service	Service Level Agreement (SLA)
Azure virtual machines	99.9%
Azure SQL Database	99.99%

How should you calculate the composite SLA for the application?

A. `0.999 * 0.9999 = 0.9989001 = 99.89001%`

B. `0.999 / 0.9999 = 0.9991 = 99.91%`
C. `Max(0.999, 0.9999) = 0.9999 = 99.99%`
D. `Min(0.999, 0.9999) = 0.999 = 99.9%`

Answer: A
Explanation:
Composite SLAs involve multiple services supporting an application, each with differing levels of availability. For example, consider an App Service web app that writes to Azure SQL Database. At the time of this writing, these Azure services have the following SLAs:

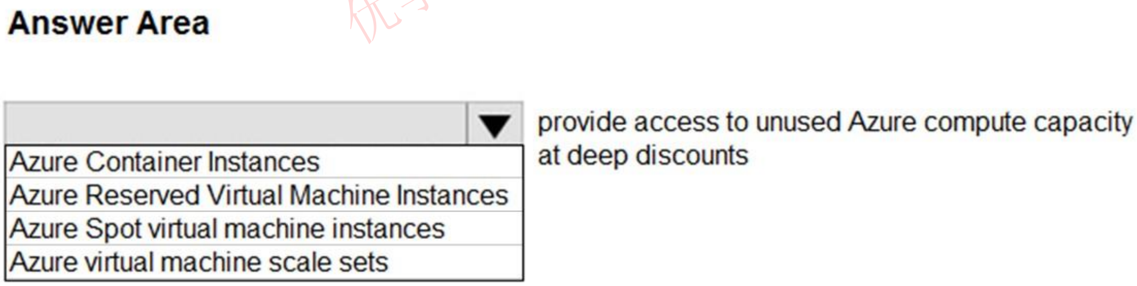
- App Service web apps = 99.95%
- SQL Database = 99.99%

What is the maximum downtime you would expect for this application? If either service fails, the whole application fails. The probability of each service failing is independent, so the composite SLA for this application is 99.95% × 99.99% = 99.94%. That's lower than the individual SLAs, which isn't surprising because an application that relies on multiple services has more potential failure points.

Reference:
https://docs.microsoft.com/en-us/azure/architecture/reliability/requirements#understand-service-level-agreements

QUESTION 330
Hotspot Question

Select the answer that correctly completes the sentence.

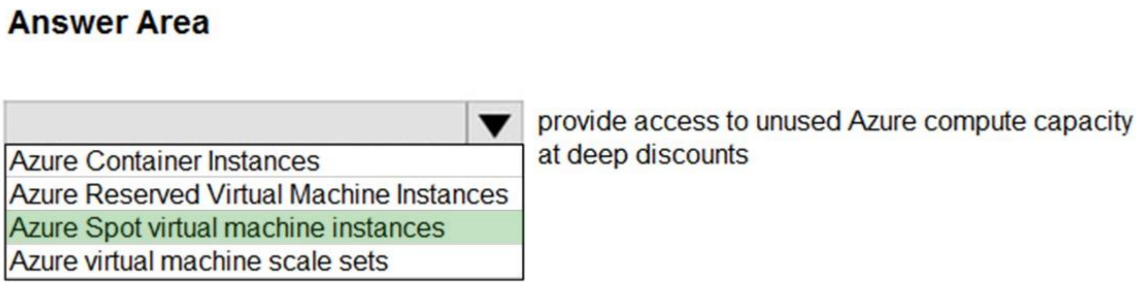


Answer Area

- Azure Container Instances
- Azure Reserved Virtual Machine Instances
- Azure Spot virtual machine instances
- Azure virtual machine scale sets

provide access to unused Azure compute capacity at deep discounts

Answer:



Answer Area

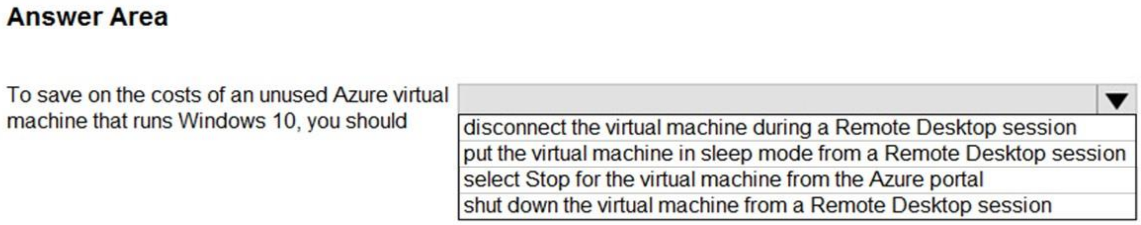
- Azure Container Instances
- Azure Reserved Virtual Machine Instances
- Azure Spot virtual machine instances
- Azure virtual machine scale sets

provide access to unused Azure compute capacity at deep discounts

Explanation:
https://docs.microsoft.com/en-us/shows/azure-videos/virtual-spot-machines-overview

QUESTION 331
Hotspot Question

Select the answer that correctly completes the sentence.

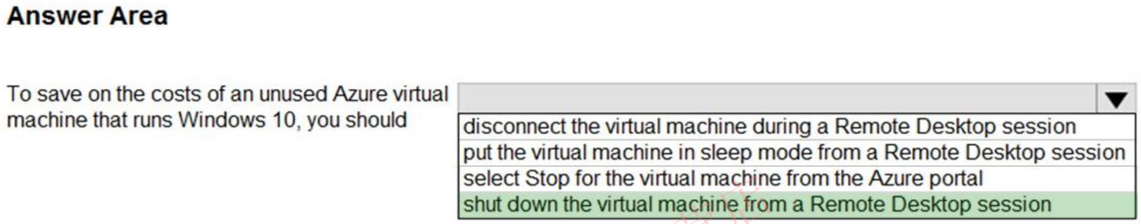


Answer Area

To save on the costs of an unused Azure virtual machine that runs Windows 10, you should

- disconnect the virtual machine during a Remote Desktop session
- put the virtual machine in sleep mode from a Remote Desktop session
- select Stop for the virtual machine from the Azure portal
- shut down the virtual machine from a Remote Desktop session

Answer:



Answer Area

To save on the costs of an unused Azure virtual machine that runs Windows 10, you should

- disconnect the virtual machine during a Remote Desktop session
- put the virtual machine in sleep mode from a Remote Desktop session
- select Stop for the virtual machine from the Azure portal
- shut down the virtual machine from a Remote Desktop session

Explanation:
https://docs.microsoft.com/en-us/azure/advisor/advisor-cost-recommendations
https://build5nines.com/properly-shutdown-azure-vm-to-save-money/

QUESTION 332
Which Azure service can you use as a security information and event management (SIEM) solution?

A. Azure Analysis Services
B. Azure Cognitive Services
C. Azure Sentinel
D. Azure information Protection

Answer: C

QUESTION 333
Your company plans 10 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. an Azure App Service and Azure SQL databases
B. Azure storage accounts and web server in Azure virtual machines
C. Azure virtual machines. Azure SQL databases, and Azure Storage accounts
D. an Azure App Service and Azure virtual machines that have Microsoft SQL Server installed

Answer: A

QUESTION 334
Who can use the Azure Total Cost of Ownership (TCO) calculator?

A. owners for an Azure subscription only
B. all users who have an account in Azure Active Directory (Azure AD) that is linked to an Azure subscription only
C. anyone
D. billing readers for an Azure subscription only

Answer: C

QUESTION 335
You have an accounting application named App1 that uses a legacy database.
You plan to move App1 to the cloud. Which service model should you use?

A. software as a service (SaaS)
B. infrastructure as a service (laaS)
C. platform as a service (PaaS)

Answer: B

QUESTION 336
What is the longest term you can purchase tor Azure Reserved VM Instances?

A. three years
B. four years
C. one year
D. five years

Answer: A

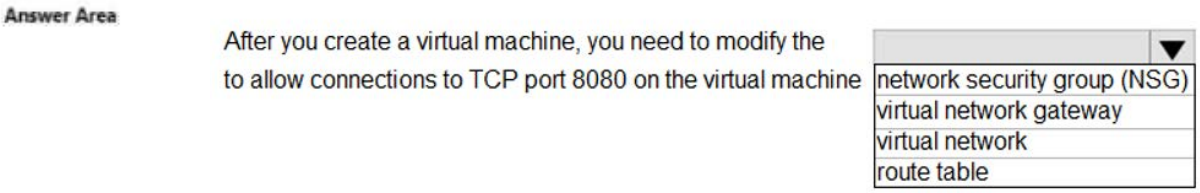
QUESTION 337
You need to manage containers.
Which two services can you use? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

A. Azure Virtual Desktop
B. Azure virtual machines
C. Azure Functions
D. Azure Kubernetes Service (AKS)
E. Azure Container Instances

Answer: DE

QUESTION 338
Hotspot Question

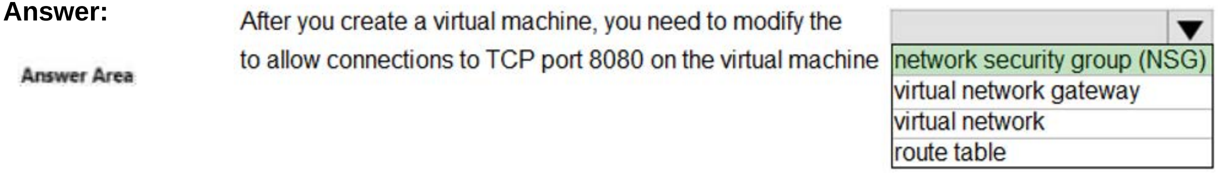
Select the answer that correctly completes the sentence.


Answer Area

After you create a virtual machine, you need to modify the
to allow connections to TCP port 8080 on the virtual machine

- network security group (NSG)
- virtual network gateway
- virtual network
- route table

Answer:

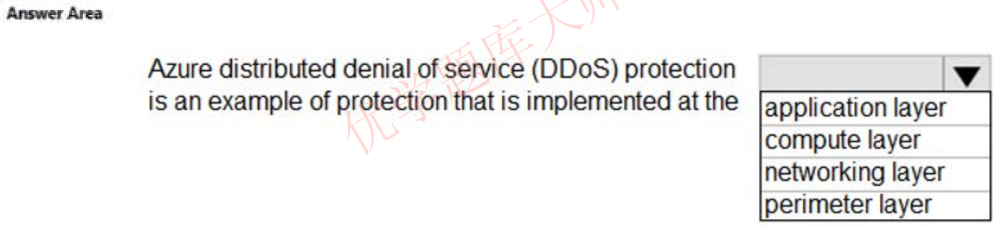

Answer Area

After you create a virtual machine, you need to modify the
to allow connections to TCP port 8080 on the virtual machine

- network security group (NSG)
- virtual network gateway
- virtual network
- route table

QUESTION 339
Hotspot Question

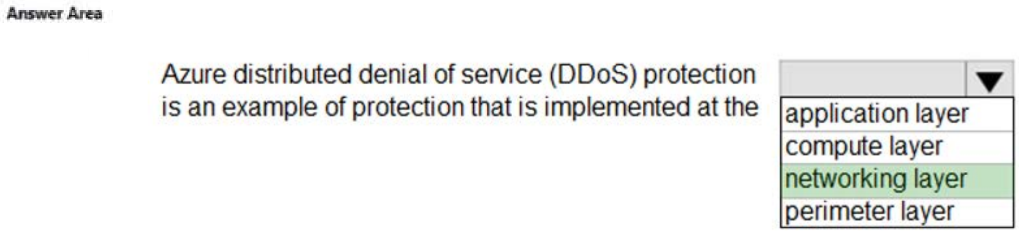
Select the answer that correctly completes the sentence.


Answer Area

Azure distributed denial of service (DDoS) protection
is an example of protection that is implemented at the

- application layer
- compute layer
- networking layer
- perimeter layer

Answer:

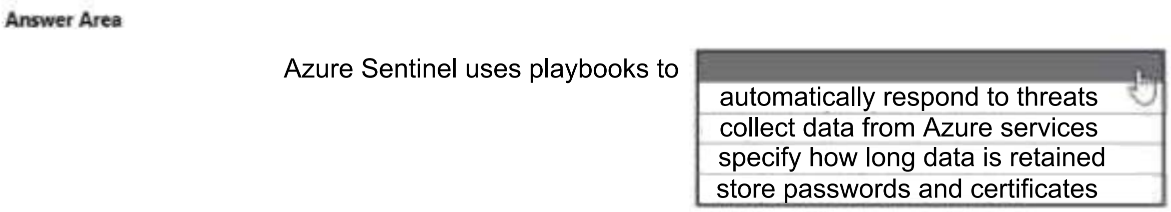

Answer Area

Azure distributed denial of service (DDoS) protection
is an example of protection that is implemented at the

- application layer
- compute layer
- networking layer
- perimeter layer

QUESTION 340
Hotspot Question

Select the answer that correctly completes the sentence.

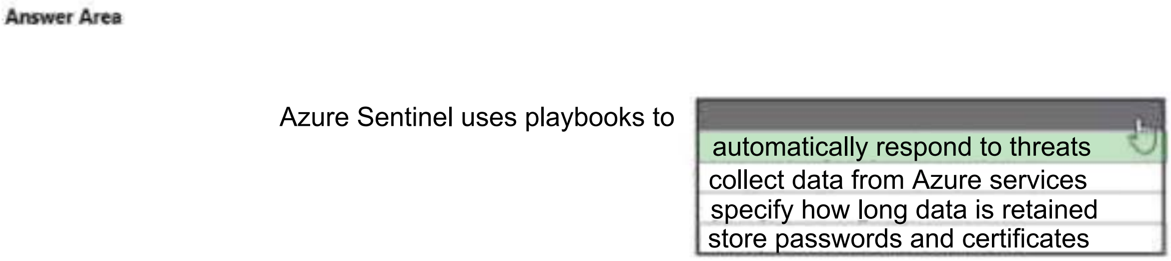


Answer Area

Azure Sentinel uses playbooks to

automatically respond to threats
collect data from Azure services
specify how long data is retained
store passwords and certificates

Answer:



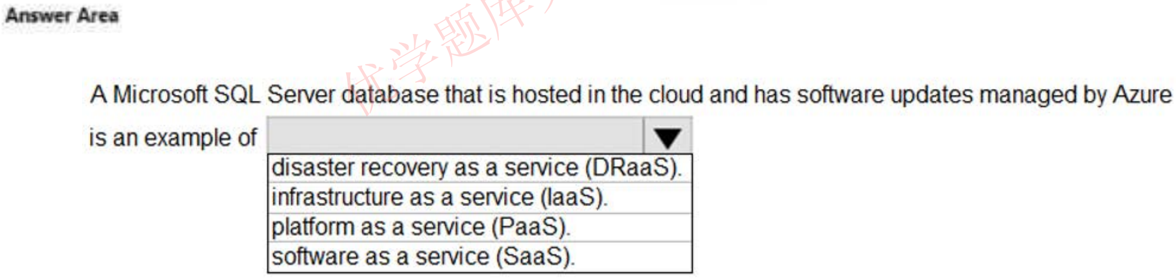
Answer Area

Azure Sentinel uses playbooks to

[✓ automatically respond to threats]
collect data from Azure services
specify how long data is retained
store passwords and certificates

QUESTION 341
Hotspot Question

Select the answer that correctly completes the sentence.

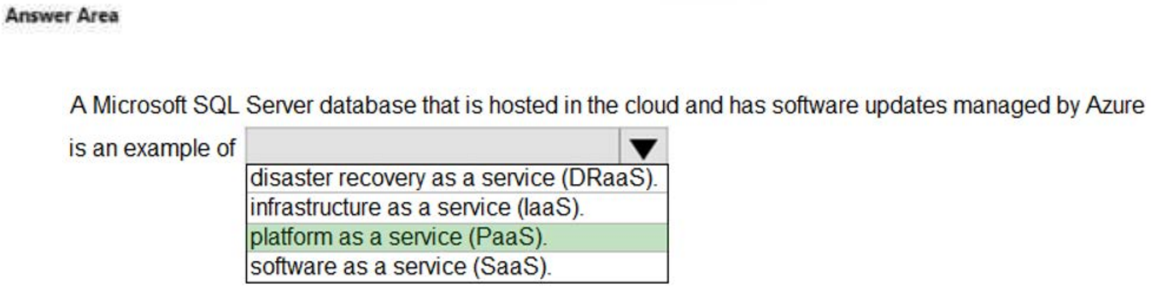


Answer Area

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 (laaS).
platform as a service (PaaS).
software as a service (SaaS).

Answer:



Answer Area

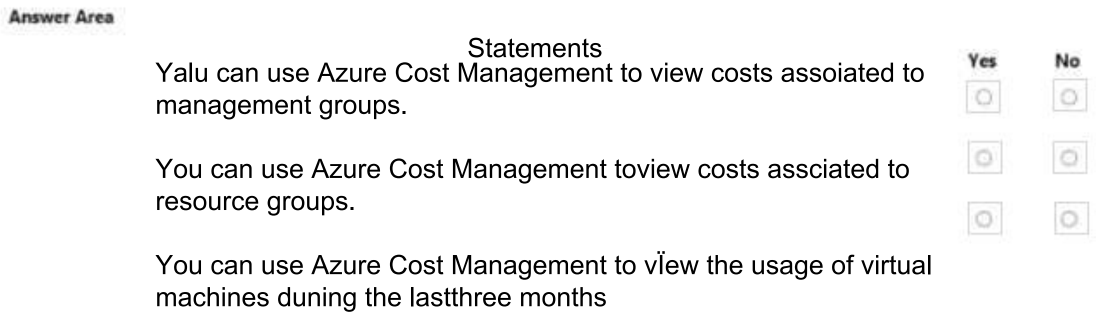
A Microsoft SQL Server database that is hosted in the cloud and has software updates managed by Azure is an example of

disaster recovery as a service (DRaaS).
infrastructure as a service (laaS).
[✓ platform as a service (PaaS).]
software as a service (SaaS).

QUESTION 342

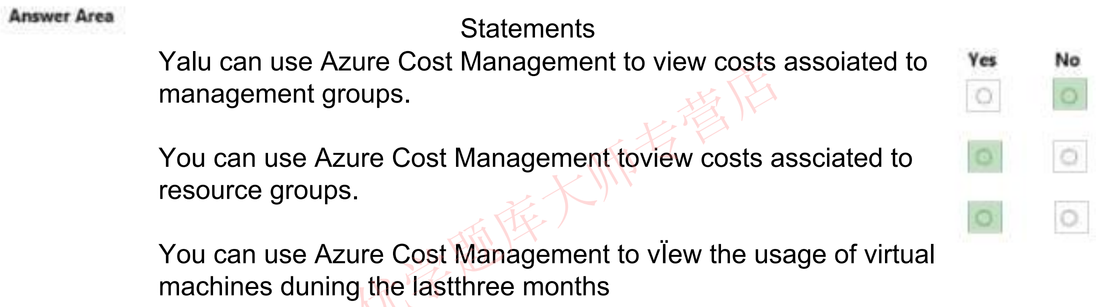
Hotspot Question

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



Statements	Yes	No
Yalu can use Azure Cost Management to view costs assoiated to management groups.	○	○
You can use Azure Cost Management toview costs assciated to resource groups.	○	○
You can use Azure Cost Management to vǏew the usage of virtual machines duning the lastthree months	○	○

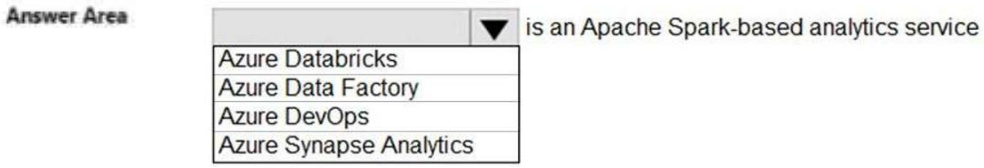
Answer:



Statements	Yes	No
Yalu can use Azure Cost Management to view costs assoiated to management groups.	○	●
You can use Azure Cost Management toview costs assciated to resource groups.	●	○
You can use Azure Cost Management to vǏew the usage of virtual machines duning the lastthree months	●	○

QUESTION 343
Hotspot Question

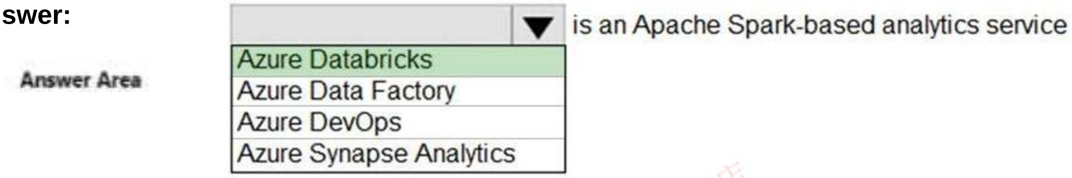
Select the answer that correctly completes the sentence.



▼ is an Apache Spark-based analytics service

- Azure Databricks
- Azure Data Factory
- Azure DevOps
- Azure Synapse Analytics

Answer:

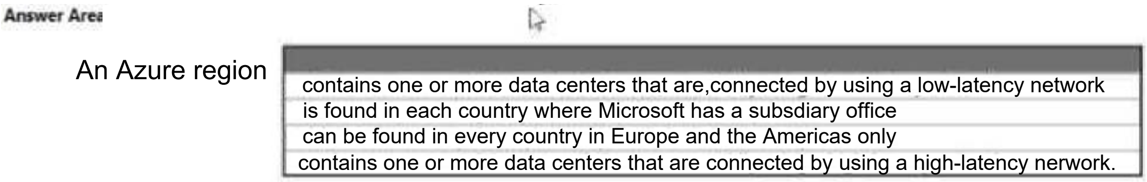


▼ is an Apache Spark-based analytics service

- Azure Databricks ✓
- Azure Data Factory
- Azure DevOps
- Azure Synapse Analytics

QUESTION 344
Hotspot Question

Select the answer that correctly completes the sentence.

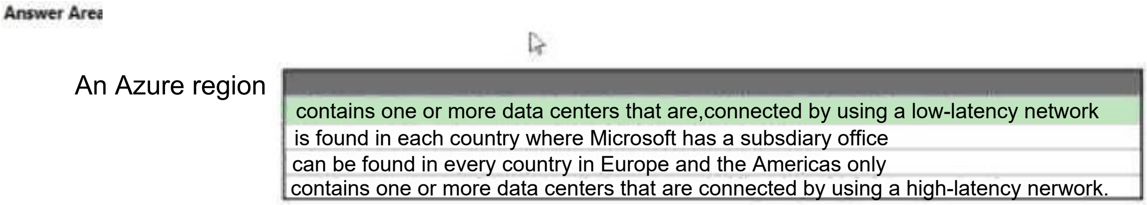


Answer Area

An Azure region

- contains one or more data centers that are,connected by using a low-latency network
- is found in each country where Microsoft has a subsdiary office
- can be found in every country in Europe and the Americas only
- contains one or more data centers that are connected by using a high-latency nerwork.

Answer:



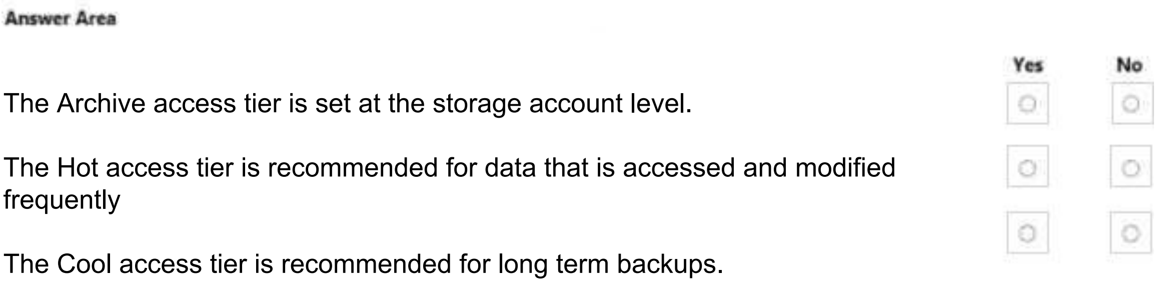
Answer Area

An Azure region

- [✓ contains one or more data centers that are,connected by using a low-latency network]
- is found in each country where Microsoft has a subsdiary office
- can be found in every country in Europe and the Americas only
- contains one or more data centers that are connected by using a high-latency nerwork.

QUESTION 345
Hotspot Question

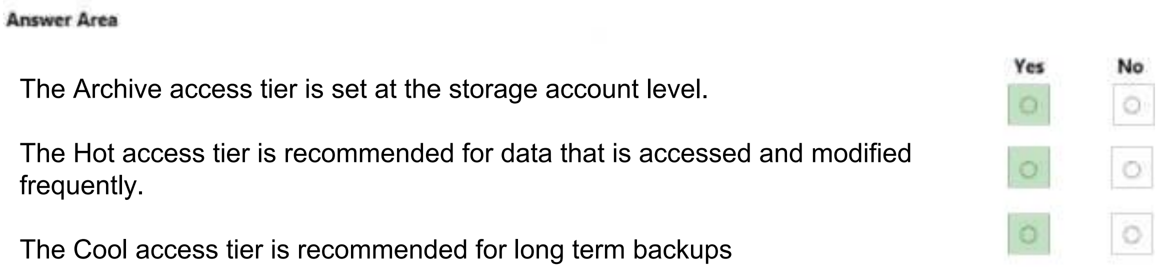
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE:
Each correct selection is worth one point.



Answer Area

	Yes	No
The Archive access tier is set at the storage account level.	○	○
The Hot access tier is recommended for data that is accessed and modified frequently	○	○
The Cool access tier is recommended for long term backups.	○	○

Answer:



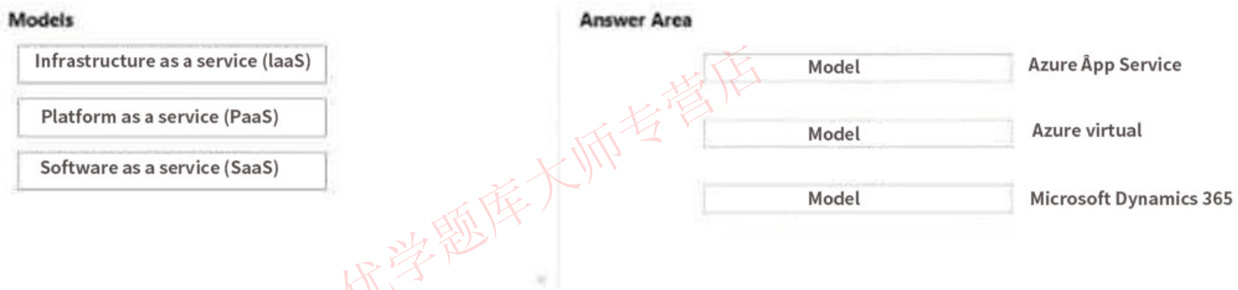
Answer Area

	Yes	No
The Archive access tier is set at the storage account level.	●	○
The Hot access tier is recommended for data that is accessed and modified frequently.	●	○
The Cool access tier is recommended for long term backups	●	○

QUESTION 346

Drag and Drop Question

Match The cloud service models to the appropriate offerings. To answer drag the appropriate model from the column on the left to its offering on the right. Each model may be used once,



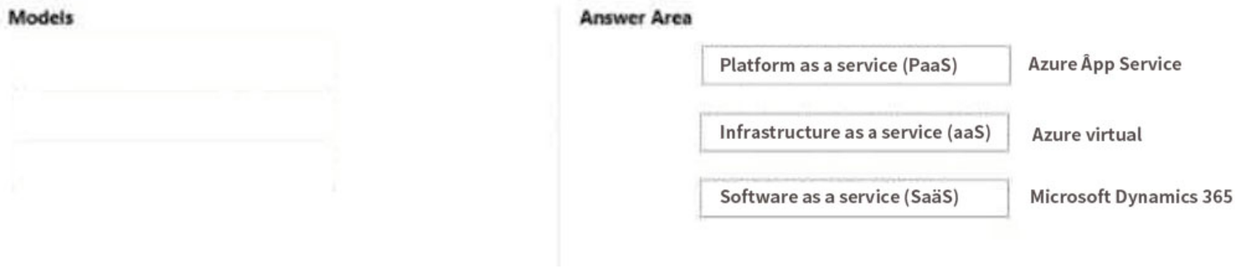
Models

- Infrastructure as a service (IaaS)
- Platform as a service (PaaS)
- Software as a service (SaaS)

Answer Area

Model	Azure App Service
Model	Azure virtual
Model	Microsoft Dynamics 365

Answer:



Models

Answer Area

Platform as a service (PaaS)	Azure App Service
Infrastructure as a service (aaS)	Azure virtual
Software as a service (SaaS)	Microsoft Dynamics 365