

**Started on** Tuesday, 1 April 2025, 10:06 PM**State** Finished**Completed on** Wednesday, 2 April 2025, 12:32 AM**Time taken** 2 hours 25 mins**Marks** 311.42/357.00**Grade** 8.72 out of 10.00 (87.23%)**Question 1**

Correct

Mark 1.00 out of 1.00

What is the function of a Site-to-Site VPN?

Select one:

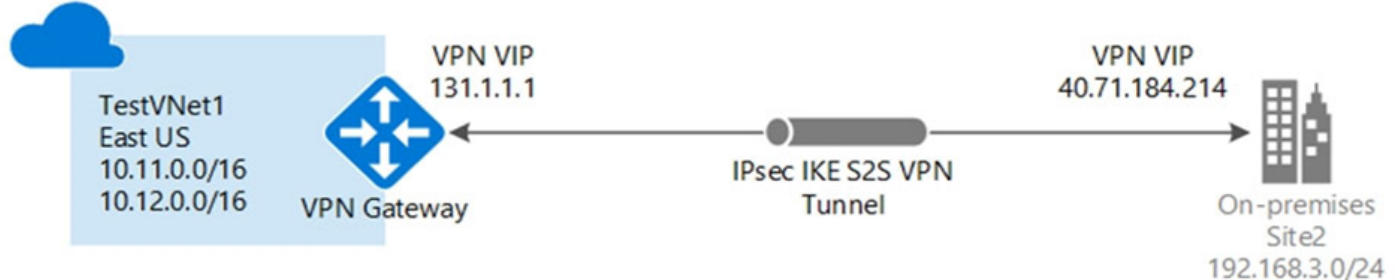
- ☐ A. provides a secure connection between a computer on a public network and the corporate network
- ☐ B. provides a dedicated private connection to Azure that does NOT travel over the internet
- ☒ C. provides a connection from an on-premises VPN device to an Azure VPN gateway ✓

Your answer is correct.

A Site-to-Site VPN gateway connection is used to connect your on-premises network to an Azure virtual network over an IPsec/IKE (IKEv1 or IKEv2) VPN tunnel.

This type of connection requires a VPN device located on-premises that has an externally facing public IP address assigned to it.

Example:



Reference:

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

The correct answer is: provides a connection from an on-premises VPN device to an Azure VPN gateway

**Question 2**

Correct

Mark 2.00 out of 2.00

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

Select one or more:

- ☒ A. enables the rapid provisioning of resources ✓
- ☒ B. shifts capital expenditures (CAPEX) to operating expenditures (OPEX) ✓
- ☐ C. has the same configuration options as on-premises
- ☐ D. has increased administrative complexity

Your answer is correct.

Azure allows you to build, deploy, and manage apps more quickly and easily without having to buy and/or maintain the underlying infrastructure.

Azure provides flexibility between CapEx and OpEx

Capital expenditures generate benefits over a long period. These expenditures are generally nonrecurring and result in the acquisition of permanent assets.

Building an application could qualify as a capital expenditure. Example, Azure Reserved Instances (Azure RI) help Azure's most active customers save on long-term VM usage reserving VMs in advance at a discounted price by committing to a one or three-year benefits.

Operating expenditures are ongoing costs of doing business. Consuming cloud services in a pay-as-you-go model could qualify as an operating expenditure. Example, you pay for a service or product as you use it i.e. pay-as-you-go pricing.

Reference:

<https://www.protechtraining.com/blog/post/top-5-benefits-of-microsoft-azure-for-business-934> <https://www.azureguru.org/capex-vs-opex/#>

The correct answers are: enables the rapid provisioning of resources, shifts capital expenditures (CAPEX) to operating expenditures (OPEX)

**Question 3**

Correct

Mark 1.00 out of 1.00

Your developers have created 10 web applications that must be host on Azure.

You need to determine which Azure web tier plan to host the web apps. The web tier plan must meet the following requirements:

- ☞ The web apps will use custom domains.
- ☞ The web apps each require 10 GB of storage.
- ☞ The web apps must each run in dedicated compute instances.
- ☞ Load balancing between instances must be included.
- ☞ Costs must be minimized.

Which web tier plan should you use?

Select one:

- ☐ A. Basic
- ☒ B. Standard ✓
- ☐ C. Free
- ☐ D. Shared

Your answer is correct.

Link – [Azure subscription limits and quotas - Azure Resource Manager | Microsoft Learn](#)

Standard offers 50 GB of storage space, while Basic only gives 10 GB.

The correct answer is: Standard

**Question 4**

Incorrect

Mark 0.00 out of 1.00

Select the answer that correctly completes the sentence.

You can assign a  ✖ to every Azure resource.

Your answer is incorrect.

You can assign a lock on every Azure resource that you have access to. You can apply a lock at different levels of scope: subscription, resource group, or individual resource.

The correct answer is:

Select the answer that correctly completes the sentence.

You can assign a [lock] to every Azure resource.

**Question 5**

Correct

Mark 1.00 out of 1.00

Select the answer that correctly completes the sentence.

Hot Area:

You can manage an on-premises Windows Server as an Azure resource by using  ✓ .

Your answer is correct.

Azure Arc simplifies governance and management by delivering a consistent multi-cloud and on-premises management platform.

Azure Arc provides a centralized, unified way to:

Manage your entire environment together by projecting your existing non-Azure and/or on-premises resources into Azure Resource Manager.

Manage virtual machines, Kubernetes clusters, and databases as if they are running in Azure.

Etc.

Incorrect:

\* Why use Azure AD Connect?

Integrating your on-premises directories with Azure AD makes your users more productive by providing a common identity for accessing both cloud and on-premises resources. Users and organizations can take advantage of:

Users can use a single identity to access on-premises applications and cloud services such as Microsoft 365.

Single tool to provide an easy deployment experience for synchronization and sign-in.

Provides the newest capabilities for your scenarios. Azure AD Connect replaces older versions of identity integration tools such as DirSync and Azure AD Sync.

\* VPN Gateway sends encrypted traffic between an Azure virtual network and an on-premises location over the public Internet. You can also use VPN Gateway to send encrypted traffic between Azure virtual networks over the Microsoft network. A VPN gateway is a specific type of virtual network gateway.

\* Pipeline agent is machine where your build is performed. An agent is installable software that runs one job at a time. Agent job is a set of steps which is recognized as execution boundary. Each job runs on an agent. All of the steps run together on the same agent.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-arc/overview>

The correct answer is:

Select the answer that correctly completes the sentence.

Hot Area:

You can manage an on-premises Windows Server as an Azure resource by using [Azure Arc].

**Question 6**

Correct

Mark 2.00 out of 2.00

HOTSPOT -

You plan to deploy a critical line-of-business application to Azure.

The application will run on an Azure virtual machine.

You need to recommend a deployment solution for the application. The solution must provide a guaranteed availability of 99.99 percent.

What is the minimum number of virtual machines and the minimum number of availability zones you should recommend for the deployment?

To answer, select the appropriate options in the answer area.


NOTE: Each correct selection is worth one point.

Hot Area:

Minimum number of virtual machine :  ✓

Minimum number of availability zone:  ✓

Your answer is correct.

**Correct Answer:**  A screenshot of a number of machines Description automatically generated

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>

The correct answer is:

HOTSPOT -

You plan to deploy a critical line-of-business application to Azure.

The application will run on an Azure virtual machine.

You need to recommend a deployment solution for the application. The solution must provide a guaranteed availability of 99.99 percent.

What is the minimum number of virtual machines and the minimum number of availability zones you should recommend for the deployment?

To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Minimum number of virtual machine : [2]

Minimum number of availability zone: [2]

**Question 7**

Correct

Mark 3.00 out of 3.00

HOTSPOT -

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

Hot Area:

Azure site recovery provides  ✓ for virtual machine.

Your answer is correct.

Link- <https://docs.microsoft.com/en-us/azure/site-recovery/site-recovery-overview>

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.

The correct answer is:

HOTSPOT -

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

Hot Area:

Azure site recovery provides [disaster recovery] for virtual machine.

**Question 8**

Correct

Mark 1.00 out of 1.00

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.

You plan to deploy several Azure virtual machines.

You need to ensure that the services running on the virtual machines are available if a single data center fails.

Solution: You deploy the virtual machines to a scale set.

Does this meet the goal?

Select one:

- ☒ A. NO ✓
- ☐ B. YES

Your answer is correct.

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>

The correct answer is: NO

**Question 9**

Correct

Mark 1.00 out of 1.00

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You are tasked with deploying a critical LOB application, which will be installed on a virtual machine, to Azure.

You are informed that the application deployment strategy should allow for a guaranteed availability of 99.99 percent. You need to make sure that the strategy requires as little virtual machines and availability zones as possible.

Solution: You include one virtual machine and two availability zones in your strategy.

Does the solution meet the goal?

Select one:

- ☒ A. NO ✓
- ☐ B. YES

Your answer is correct.

<https://www.azure.cn/en-us/support/sla/virtual-machines/>

Deploying one virtual machine and two availability zones does not meet the goal of achieving a guaranteed availability of 99.99 percent.

To achieve such a high level of availability, you typically need to distribute your application across multiple instances in multiple availability zones or sets.

The correct answer is: NO

**Question 10**

Correct

Mark 1.00 out of 1.00

Your company has datacenters in Los Angeles and New York. The company has a Microsoft Azure subscription.

You are configuring the two datacenters as geo-clustered sites for site resiliency.

You need to recommend an Azure storage redundancy option.

You have the following data storage requirements:

- ☞ Data must be stored on multiple nodes.
- ☞ Data must be stored on nodes in separate geographic locations.
- ☞ Data can be read from the secondary location as well as from the primary location

Which of the following Azure stored redundancy options should you recommend?

- ☐ A. Zone-redundant storage
- ☐ B. Geo-redundant storage
- ☒ C. Read-only geo-redundant storage ✓
- ☐ D. Locally redundant storage

Your answer is correct.

### **<https://learn.microsoft.com/en-us/training/modules/describe-azure-storage-services/3-redundancy>**

**Geo-redundant storage** Geo-redundant storage replicates your data to a secondary region, which is a separate geographic location. This meets the requirement of storing data on nodes in separate geographic locations. Additionally, geo-redundant storage allows you to read data from both the primary and secondary locations, which satisfies the requirement of being able to read data from the secondary location as well.

**Read-only geo-redundant storage:** While this option provides read access to the secondary location, it doesn't store data on nodes in separate geographic locations.

**Zone-redundant storage:** This option replicates data within a single region across multiple Availability Zones, but it doesn't meet the requirement of storing data in separate geographic locations.

**Locally redundant storage:** This option replicates data within a single datacenter in a region, which doesn't fulfill the requirement of storing data on nodes in separate geographic locations.

The correct answer is: Read-only geo-redundant storage



**Question 11**

Correct

Mark 3.00 out of 3.00

HOTSPOT -

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

Hot Area:

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

Your answer is correct.

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>

The correct answer is:

HOTSPOT -

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

Hot Area:

Data that is stored in the Archive access tier of an Azure Storage account [Must be rehydrated before that data can be accessed.]

**Question 12**

Correct

Mark 1.00 out of 1.00

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

Your answer is correct.

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>

The correct answer is: Azure Resource Manager templates

**Question 13**

Correct

Mark 1.00 out of 1.00

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You have been informed by your superiors of the company's intentions to automate server deployment to Azure. There is, however, some concern that administrative credentials could be uncovered during this process.

You are required to make sure that during the deployment, the administrative credentials are encrypted using a suitable Azure solution.

Solution: You recommend the use of Azure Multi-Factor Authentication (MFA).

Does the solution meet the goal?

Select one:

- ☐ A. YES
- ☒ B. NO ✓

Your answer is correct.

Link – <https://learn.microsoft.com/es-es/entra/identity/authentication/concept-mfa-howitworks>

<https://docs.microsoft.com/en-us/azure/key-vault/general/overview>

The recommended solution of Azure Multi-Factor Authentication (MFA) does not encrypt administrative credentials during server deployment to Azure. MFA is a solution that adds an additional layer of authentication to the login process, and it can help prevent unauthorized access to resources.

To encrypt administrative credentials during server deployment to Azure, a better solution would be to use Azure Key Vault. Azure Key Vault is a cloud-based service that provides secure storage of keys, secrets, and certificates. By storing the administrative credentials in Azure Key Vault, they can be encrypted and protected from unauthorized access.

The correct answer is: NO

**Question 14**

Correct

Mark 3.00 out of 3.00

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

You can use Availability Zone in Azure to protect virtual machine from datacenter failure. YES ✓

You can use Availability Zone in Azure to protect azure virtual machines from a region failure. NO ✓

You can use Availability zones in Azure to protect Azure managed disks from a datacenter failure. YES ✓

Your answer is correct.

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>

The correct answer is:

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

You can use Availability Zone in Azure to protect virtual machine from datacenter failure.[YES]

You can use Availability Zone in Azure to protect azure virtual machines from a region failure.[NO]

You can use Availability zones in Azure to protect Azure managed disks from a datacenter failure.[YES]

**Question 15**

Correct

Mark 1.00 out of 1.00

Your company has virtual machines (VMs) hosted in Microsoft Azure. The VMs are located in a single Azure virtual network named VNet1. The company has users that work remotely. The remote workers require access to the VMs on VNet1. You need to provide access for the remote workers. What should you do?

Select one:

- ☐ A. Configure a Site-to-Site (S2S) VPN
- ☐ B. Configure a VNet-toVNet VPN
- ☒ C. Configure a Point-to-Site (P2S) VPN ✓
- ☐ D. Configure a Multi-Site VPN
- ☐ E. Configure DirectAccess on a Windows Server 2012 server VM

Your answer is correct.

Link – <https://learn.microsoft.com/en-us/azure/vpn-gateway/design#P2S>

A Point-to-Site (P2S) VPN gateway connection lets you create a secure connection to your virtual network from an individual client computer. A P2S connection is established by starting it from the client computer. This solution is useful for telecommuters who want to connect to Azure VNets from a remote location, such as from home or a conference. P2S VPN is also a useful solution to use instead of S2S VPN when you have only a few clients that need to connect to a VNet.

Point (employee) - to - Site (company)

The correct answer is: Configure a Point-to-Site (P2S) VPN

**Question 16**

Partially correct

Mark 1.33 out of 2.00

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

Azure Advisor provides recommendations on how to improve security of an Azure Active Directory (Azure AD) environment.  ✖

Azure Advisor provides recommendations on how to reduce the cost of running Virtual Machines.  ✔

Azure Advisor provides recommendations on how to configure the network settings on Virtual Machines.  ✔

Your answer is partially correct.

You have correctly selected 2.

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>

The correct answer is:

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

Azure Advisor provides recommendations on how to improve security of an Azure Active Directory (Azure AD) environment. [No]

Azure Advisor provides recommendations on how to reduce the cost of running Virtual Machines. [Yes]

Azure Advisor provides recommendations on how to configure the network settings on Virtual Machines. [No]

**Question 17**

Partially correct

Mark 1.00 out of 3.00

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

An Azure subscription can have multiple account administrators. YES ✖

An Azure subscription can be managed by using a Microsoft account only. NO ✖

An azure resource group can contain multiple Azure subscriptions. NO ✔

Your answer is partially correct.

You have correctly selected 1.

Box 1: No -

A subscription can have multiple administrators, but there can only be one account administrator.

Box 1: Yes

Box 3: No -

A subscription can contain multiple resource groups but a resource group can only belong to one subscription. Resource groups can contain multiple resources.

Reference:

<https://k21academy.com/microsoft-azure/az-900/az-900-azure-subscriptions/> <https://azure.microsoft.com/en-us/blog/organizing-subscriptions-and-resource-groups-within-the-enterprise/>

The correct answer is:

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

An Azure subscription can have multiple account administrators.[NO]

An Azure subscription can be managed by using a Microsoft account only.[YES]

An azure resource group can contain multiple Azure subscriptions.[NO]

**Question 18**

Correct

Mark 4.00 out of 4.00

**DRAG DROP -**

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.

Select and Place:

Azure virtual machines	✓ Provide operating system virtualization
Azure Container instances	✓ Provide portable environment for virtualization applications.
Azure App Service	✓ Used to build, deploy and scale web apps.
Azure Functions	✓ Provide a platform for serverless code.

Azure Functions	Azure Container instances	Azure App Service	Azure virtual machines
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Your answer is correct.

Box 1: Azure virtual machines -

Box 2: Azure Container instances

Azure Container Instances (ACI) is a managed service that allows you to run containers directly on the Microsoft Azure public cloud, without requiring the use of virtual machines (VMs).

Develop apps fast without managing virtual machines or having to learn new tools – it's just your application, in a container, running in the cloud.

Box 3: Azure App Service -

Azure App Service is a fully managed platform for building web applications.

Applications run and scale with ease on both Windows and Linux-based environments.

Box 4: Azure Functions -

Azure Functions (from Microsoft Azure) is a cloud-based serverless service that allows running event-triggered code in a scalable way without providing or managing infrastructure.

Reference:

<https://docs.microsoft.com/en-us/azure/container-instances>

<https://azure.microsoft.com/en-us/services/app-service/>

<https://revdebug.com/blog/what-are-azure-functions>

The correct answer is:

**DRAG DROP -**

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.

Select and Place:

[Azure virtual machines]	Provide operating system virtualization
[Azure Container instances]	Provide portable environment for virtualization applications.
[Azure App Service]	Used to build, deploy and scale web apps.
[Azure Functions]	Provide a platform for serverless code.



**Question 19**

Correct

Mark 1.00 out of 1.00

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

You can use the Azure File Sync agent to sync on-premises data to an Azure  ✓

Your answer is correct.

The Azure File Sync agent enables data on a Windows Server to be synchronized with an Azure File share.

Reference:

<https://www.microsoft.com/en-us/download/details.aspx?id=57159>

The correct answer is:

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

You can use the Azure File Sync agent to sync on-premises data to an Azure[ File share.]

**Question 20**

Correct

Mark 1.00 out of 1.00

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

Your company's developers intend to deploy a large number of custom virtual machines on a weekly basis. They will also be removing these virtual machines during the same week it was deployed. Sixty percent of the virtual machines have Windows Server 2016 installed, while the other forty percent has Ubuntu Linux installed.

You are required to make sure that the administrative effort, needed for this process, is reduced by employing a suitable Azure service.

Solution: You recommend the use of Microsoft Managed Desktop.

Does the solution meet the goal?

Select one:

- ☐ A. YES
- ☒ B. NO ✓

Your answer is correct.

Link – [What is Microsoft Managed Desktop? | Microsoft Learn](#)

Microsoft Managed Desktop is not an appropriate solution for deploying and managing a large number of custom virtual machines on a weekly basis. Microsoft Managed Desktop is a service that provides managed Windows 10 devices for organizations, and it's not designed for managing virtual machines, especially with the frequency and diversity described in your scenario.

For managing virtual machines in Azure, a more suitable solution would be to use Azure Automation or Azure Resource Manager (ARM) templates. These tools allow you to automate the deployment and management of virtual machines, including the creation, configuration, and deletion of resources. You can define your desired state in code, and these tools will handle the provisioning and management tasks, reducing administrative effort.

Therefore, the solution of using Microsoft Managed Desktop does not meet the goal of reducing administrative effort for deploying and managing virtual machines in Azure.

The correct answer is: NO

**Question 21**

Correct

Mark 1.00 out of 1.00

Your company has virtual machines (VMs) hosted in Microsoft Azure. The VMs are located in a single Azure virtual network named VNet1. The company has users that work remotely. The remote workers require access to the VMs on VNet1. You need to provide access for the remote workers. What should you do?

Select one:

- ☐ A. Configure a VNet-toVNet VPN
- ☐ B. Configure a Site-to-Site (S2S) VPN
- ☐ C. Configure a Multi-Site VPN
- ☒ D. Configure a Point-to-Site (P2S) VPN ✓
- ☐ E. Configure DirectAccess on a Windows Server 2012 server VM

Your answer is correct.

Link – <https://learn.microsoft.com/en-us/azure/vpn-gateway/design#P2S>

A Point-to-Site (P2S) VPN gateway connection lets you create a secure connection to your virtual network from an individual client computer. A P2S connection is established by starting it from the client computer. This solution is useful for telecommuters who want to connect to Azure VNets from a remote location, such as from home or a conference. P2S VPN is also a useful solution to use instead of S2S VPN when you have only a few clients that need to connect to a VNet.

Point (employee) - to - Site (company)

The correct answer is: Configure a Point-to-Site (P2S) VPN

**Question 22**

Correct

Mark 3.00 out of 3.00

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

Availability zones can be implemented in all Azure region. ☐ NO ✓

Only virtual machine that run Windows server can be created in availability zones. ☐ NO ✓

Availability zones are used to replicate data and application to multiple regions. ☐ NO ✓

Your answer is correct.

Box 1: No -

Not all Azure regions support availability zones.

Box 2: No -

Availability zones can be used with many Azure services, not just VMs.

Box 3: No -

Availability Zones are unique physical locations within a single Azure region.

Reference:

<https://docs.microsoft.com/en-us/azure/availability-zones/az-region#azure-regions-with-availability-zones>

The correct answer is:

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

Availability zones can be implemented in all Azure region.[NO]

Only virtual machine that run Windows server can be created in availability zones.[NO]

Availability zones are used to replicate data and application to multiple regions.[NO]

**Question 23**

Correct

Mark 1.00 out of 1.00

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

Your answer is correct.

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>

The correct answer is: a content delivery network (CDN)

**Question 24**

Correct

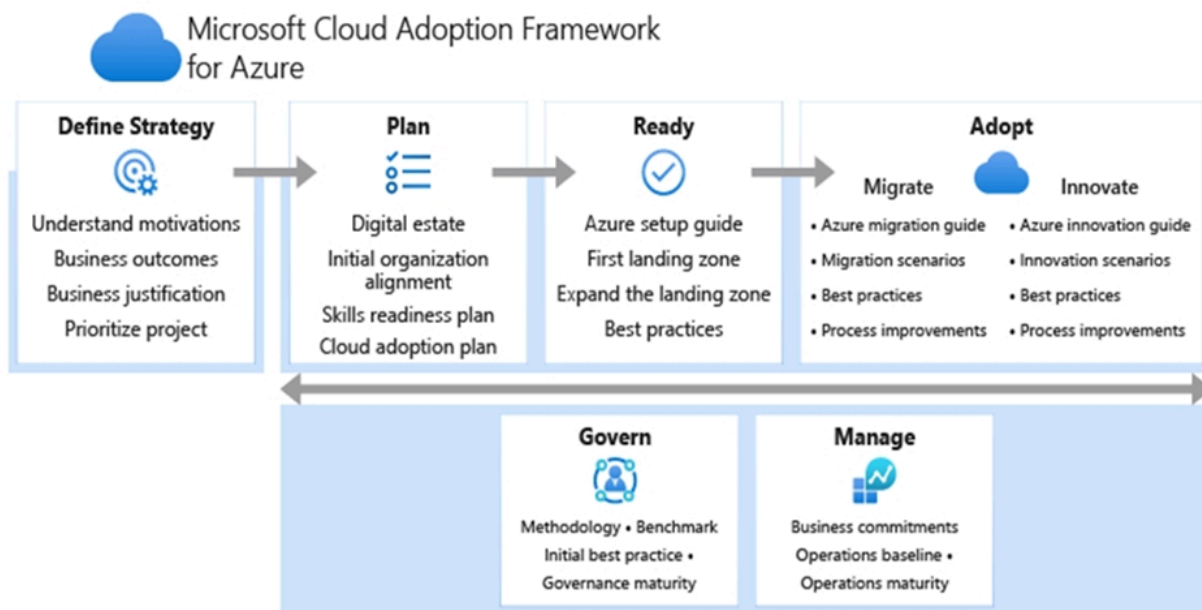
Mark 1.00 out of 1.00

What is the first stage in the Microsoft Cloud Adoption Framework for Azure?

Select one:

- ☐ A. Make a plan.
- ☐ B. Adopt the cloud.
- ☐ C. Ready your organization.
- ☒ D. Define your strategy. ✓

Your answer is correct.



The correct answer is: Define your strategy.

**Question 25**

Correct

Mark 1.00 out of 1.00

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.

Select one:

- ☐ A. data compression
- ☐ B. versioning
- ☒ C. No change is needed ✓
- ☐ D. automatic scaling

Your answer is correct.

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>

The correct answer is: No change is needed

**Question 26**

Correct

Mark 3.00 out of 3.00

DRAG DROP -

Arrange the storage account redundancy options from the least redundant to the most redundant. To answer, move all options from the list of options to the answer area and arrange them in the correct order.

Select and Place:

Locally-redundant storage (LRS) ✓

Zone-redundant storage (ZRS) ✓

Geo-redundant storage (GRS) ✓

Your answer is correct.

Locally-redundant storage (LRS)

Zone-redundant storage (ZRS)

Geo-redundant storage (GRS)

Reference:

<https://learn.microsoft.com/en-us/azure/storage/common/storage-redundancy>.

The correct answer is:

DRAG DROP -

Arrange the storage account redundancy options from the least redundant to the most redundant. To answer, move all options from the list of options to the answer area and arrange them in the correct order.

Select and Place:

[Locally-redundant storage (LRS)]

[Zone-redundant storage (ZRS)]

[Geo-redundant storage (GRS)]



**Question 27**

Correct

Mark 3.00 out of 3.00

DRAG DROP -

Match the cloud computing benefits to the correct descriptions.

To answer, select the appropriate benefit from the dropdown. Each benefit may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

Select and Place:

Scalability



Resource can be provisioned dynamically to meet changing demands.

Geo-distribution



Application and data can be deployed to multiple region.

Agility



Application can be developed, tested and launched rapidly.

Your answer is correct.

The correct answer is:

DRAG DROP -

Match the cloud computing benefits to the correct descriptions.

To answer, select the appropriate benefit from the dropdown. Each benefit may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

Select and Place:

[Scalability] Resource can be provisioned dynamically to meet changing demands.

[Geo-distribution] Application and data can be deployed to multiple region.

[Agility] Application can be developed, tested and launched rapidly.

**Question 28**

Correct

Mark 1.00 out of 1.00

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

Select one or more:

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

Your answer is correct.

Link - <https://azure.microsoft.com/en-gb/overview/what-is-elastic-computing/>

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.

The correct answer is: elasticity

**Question 29**

Incorrect

Mark 0.00 out of 1.00

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.


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?

Select one:

- ☒ A. YES 
- ☐ B. NO

Your answer is incorrect.

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>

The correct answer is: NO

**Question 30**

Partially correct

Mark 2.00 out of 3.00


HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

Each Azure Subscription can contain multiple account administrators. YES 

Each Azure subscription can be managed by using a Microsoft account only. NO 

An Azure resource group contains multiple Azure subscriptions. NO 

Your answer is partially correct.

You have correctly selected 2.

Box 1: No -

You can assign service administrators and co-administrators in the Azure Portal but there can only be one account administrator.

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.

Reference:

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

The correct answer is:

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

Each Azure Subscription can contain multiple account administrators.[NO]

Each Azure subscription can be managed by using a Microsoft account only.[NO]

An Azure resource group contains multiple Azure subscriptions.[NO]

**Question 31**

Correct

Mark 1.00 out of 1.00

A team of developers at your company plans to deploy, and then remove, 50 virtual machines each week. All the virtual machines are configured by using Azure

Resource Manager templates.

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 Machine (VM) Instances
- ☒ b. Azure DevTest Labs ✓
- ☐ c. Azure virtual machine scale sets
- ☐ d. Azure Virtual Desktop

Your answer is correct.

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>

The correct answer is: Azure DevTest Labs

**Question 32**

Correct

Mark 1.00 out of 1.00

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

Application Insights is a feature of  ✓

Your answer is correct.

Application Insights is a feature of Azure Monitor that provides extensible application performance management (APM) and monitoring for live web apps.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-monitor/app/app-insights-overview>

The correct answer is:

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

Application Insights is a feature of [Azure Monitor]

**Question 33**

Correct

Mark 1.00 out of 1.00

You plan to deploy a service to Azure virtual machines.

You need to ensure that the service will be available if a datacenter fails.

What should you use as part of the virtual machine deployment?

Select one:

- ☐ A. availability sets
- ☐ B. host groups
- ☒ C. availability zones ✓
- ☐ D. proximity placement groups

Your answer is correct.

Azure availability zones are physically separate locations within each Azure region that are tolerant to local failures. Failures can range from software and hardware failures to events such as earthquakes, floods, and fires. Tolerance to failures is achieved because of redundancy and logical isolation of Azure services. To ensure resiliency, a minimum of three separate availability zones are present in all availability zone-enabled regions.

Reference:

<https://docs.microsoft.com/en-us/azure/availability-zones/az-overview>

The correct answer is: availability zones

**Question 34**

Correct

Mark 1.00 out of 1.00

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

What is an advantage of using a public cloud service for the servers over an on-premises network?

Select one:

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

Your answer is correct.

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:

The public cloud is not owned by the public. In the case of Microsoft Azure, the cloud is owned by Microsoft.

The public cloud is a not crowd-sourcing solution. In the case of Microsoft Azure, the cloud is owned by Microsoft.

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.

The correct answer is: The public cloud is a shared entity whereby multiple corporations each use a portion of the resources in the cloud

**Question 35**

Correct

Mark 1.00 out of 1.00

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?

Select one:

- ☒ A. Platform as a Service (PaaS) ✓
- ☐ B. Software as a Service (SaaS)
- ☐ C. Infrastructure as a Service (IaaS)
- ☐ D. Database as a Service (DaaS)

Your answer is correct.

Link – <https://docs.microsoft.com/en-us/azure/security/fundamentals/paas-applications-using-app-services> 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.

The correct answer is: Platform as a Service (PaaS)

**Question 36**

Correct

Mark 3.00 out of 3.00

HOTSPOT -

You need to view a list of planned maintenance events that can affect the availability of an Azure subscription.

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

Hot Area:

Home > Help + Support ✓ > Service Health > Planned maintenance

App Services

Monitor

Advisor

Your answer is correct.

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.

The correct answer is:

HOTSPOT -

You need to view a list of planned maintenance events that can affect the availability of an Azure subscription.

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

Hot Area:

Home > [Help + Support] > Service Health > Planned maintenance



**Question 37**

Correct

Mark 1.00 out of 1.00

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You are planning a strategy to deploy numerous web servers and database servers to Azure.

This strategy should allow for connection types between the web servers and database servers to be controlled.

Solution: You include network security groups (NSGs) in your strategy.

Does the solution meet the goal?

Select one:

- ☒ A. YES ✓
- ☐ B. NO

Your answer is correct.

Link- <https://docs.microsoft.com/zh-tw/azure/virtual-network/network-security-group-how-it-works>

You can use an Azure network security group to filter network traffic between Azure resources in an Azure virtual network. 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. For each rule, you can specify source and destination, port, and protocol.

The correct answer is: YES

**Question 38**

Correct

Mark 3.00 out of 3.00

DRAG DROP -

Match the cloud computing benefits to the appropriate descriptions.

To answer, select the appropriate benefit in the drop down to its description on the right. Each benefit may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

Select :

Scalability



increase the compute capacity of apps in the cloud.

high availability



provide a continuous user experience with no apparent downtime.

geo-distribution



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

Your answer is correct.

Reference:

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

The correct answer is:

DRAG DROP -

Match the cloud computing benefits to the appropriate descriptions.

To answer, select the appropriate benefit in the drop down to its description on the right. Each benefit may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

Select :

[Scalability ] increase the compute capacity of apps in the cloud.

[high availability ] provide a continuous user experience with no apparent downtime.

[geo-distribution] ensure that users always have the best experience by deploying apps to all the region where there are users.

**Question 39**

Correct

Mark 1.00 out of 1.00

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.

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?

Select one:

- ☐ A. NO
- ☒ B. YES ✓

Your answer is correct.

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>

The correct answer is: YES

**Question 40**

Correct

Mark 3.00 out of 3.00

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

Microsoft SQL Server 2019 installed on an Azure virtual machine is an example of platform as a service(PaaS).

NO



Azure SQL Database is an example of platform as a service(PaaS)

YES



Azure cosmos DB is an example of Software as a service(SaaS)

NO



Your answer is correct.

Link :

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

<https://docs.microsoft.com/en-us/azure/cosmos-db/account-databases-containers-items>

<https://www.red-gate.com/simple-talk/cloud/azure/overview-of-azure-cosmos-db>

The correct answer is:

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

Microsoft SQL Server 2019 installed on an Azure virtual machine is an example of platform as a service(PaaS). [NO]

Azure SQL Database is an example of platform as a service(PaaS) [YES]

Azure cosmos DB is an example of Software as a service(SaaS) [NO]

**Question 41**

Correct

Mark 1.00 out of 1.00

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?

Select one:

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

Your answer is correct.

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>

The correct answer is: Azure Service Health

**Question 42**

Correct

Mark 1.00 out of 1.00

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 virtual machine scale sets
- ☐ b. Microsoft Managed Desktop
- ☒ c. Azure DevTest Labs ✓
- ☐ d. Azure Reserved Virtual Machines (VM) Instances

Your answer is correct.

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>

The correct answer is: Azure DevTest Labs

**Question 43**

Correct

Mark 1.00 out of 1.00

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You are required to deploy an Artificial Intelligence (AI) solution in Azure.

You want to make sure that you are able to build, test, and deploy predictive analytics for the solution.

Solution: You should make use of Azure Cosmos DB.

Does the solution meet the goal?

Select one:

- ☒ A. NO ✓
- ☐ B. YES

Your answer is correct.

Azure Cosmos DB is a globally distributed, multi-model database service, and while it is a powerful solution for managing and querying data, it is not specifically designed for building, testing, and deploying predictive analytics models.

For building, testing, and deploying predictive analytics models, you would typically use machine learning services and platforms provided by Azure, such as Azure Machine Learning. Azure Machine Learning provides tools and services specifically designed for creating, training, testing, and deploying machine learning models, including predictive analytics models.

So, the solution of using Azure Cosmos DB does not meet the goal of building, testing, and deploying predictive analytics for the AI solution.

The correct answer is: NO

**Question 44**

Correct

Mark 1.00 out of 1.00

HOTSPOT -

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

Hot Area:

Azure CosmosDB is an example of  ✓ Offering.

Your answer is correct.

Link-

<https://docs.microsoft.com/en-us/azure/cosmos-db/database-security>.

Azure Cosmos DB is an example of a platform as a service (PaaS) cloud database provider.

The correct answer is:

HOTSPOT -

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

Hot Area:

Azure CosmosDB is an example of  Offering.

**Question 45**

Correct

Mark 3.00 out of 3.00

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

If you have Azure resource deployed to every region, you can implement availability zones on all the regions.  ✓

Only virtual machine that run windows server can be created in availability zones.  ✓

Availability zones are used to replicate data and applications to multiple regions.  ✓

Your answer is correct.

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>

The correct answer is:

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

If you have Azure resource deployed to every region, you can implement availability zones on all the regions.[NO]

Only virtual machine that run windows server can be created in availability zones.[NO]

Availability zones are used to replicate data and applications to multiple regions.[NO]

**Question 46**

Correct

Mark 1.00 out of 1.00

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

Your company's Active Directory forest includes thousands of user accounts.

You have been informed that all network resources will be migrated to Azure. Thereafter, the on-premises data center will be retired.

You are required to employ a strategy that reduces the effect on users, once the planned migration has been completed.

Solution: You plan to require Azure Multi-Factor Authentication (MFA).

Does the solution meet the goal?

Select one:

- ☒ A. NO ✓
- ☐ B. YES

Your answer is correct.

Link – [Microsoft Entra pass-through authentication - Quickstart - Microsoft Entra ID | Microsoft Learn](#)

Explanation- The solution does not meet the goal because requiring Azure Multi-Factor Authentication (MFA) does not directly address the need to reduce the effect on users after the migration of network resources to Azure and retirement of the on-premises data center. Azure MFA is a security feature that provides an additional layer of authentication by requiring users to verify their identity using a second factor, such as a phone call, text message, or mobile app notification.

To reduce the effect on users after the migration, you should consider implementing a hybrid identity solution using Azure Active Directory (Azure AD) Connect. This would synchronize your on-premises Active Directory with Azure AD, allowing users to continue using their existing credentials for authentication and access to resources in both environments. A hybrid identity solution would minimize disruption and ensure a seamless transition for users as network resources are migrated to Azure and the on-premises data center is retired.

The correct answer is: NO



**Question 47**

Partially correct

Mark 1.00 out of 3.00

HOTSPOT -

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

Name	Operating System
Computer 1	Windows 10
Computer 2	Ubuntu
Computer 3	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.

Hot Area:

Computer 1 : Azure CLI, Azure Portal and Azure Powershell ✓

Computer 2 : Azure CLI and Azure Portal ✗

Computer 3: Azure CLI and Azure Portal ✗

Your answer is partially correct.

You have correctly selected 1.

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/>

The correct answer is:

HOTSPOT -

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

Name	Operating System
Computer 1	Windows 10
Computer 2	Ubuntu
Computer 3	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.

Hot Area:

Computer 1 : [Azure CLI, Azure Portal and Azure Powershell]

Computer 2 : [Azure CLI, Azure Portal and Azure Powershell]

Computer 3: [Azure CLI, Azure Portal and Azure Powershell]

**Question 48**

Partially correct

Mark 2.00 out of 3.00

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

- A platform as a service (PaaS) solution provides full control of the operating system that host application. -  ✓
- A platform as a service (PaaS) solution provides additional memory to apps by changing price tier. -  ✓
- A platform as a service (PaaS) solution can automatically scale the number of instances. -  ✗

Your answer is partially correct.

You have correctly selected 2.

Link - <https://azure.microsoft.com/en-us/pricing/details/app-service/windows/>

Box 1: No -

A PaaS solution does not provide access to the operating system. The Azure Web Apps service provides an environment for you to host your web applications.

Behind the scenes, the web apps are hosted on virtual machines running IIS. However, you have no direct access to the virtual machine, the operating system or IIS.

Box 2: Yes -

Box 3: Yes -

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

The correct answer is:

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

- A platform as a service (PaaS) solution provides full control of the operating system that host application. - [NO]
- A platform as a service (PaaS) solution provides additional memory to apps by changing price tier. - [YES]
- A platform as a service (PaaS) solution can automatically scale the number of instances. - [NO]

**Question 49**

Correct

Mark 3.00 out of 3.00

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

From Azure service health, an administrator can view the health of all the services in an Azure environment.  ✓

For 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.  ✓

Your answer is correct.

Box 1: Yes -

Azure Service Health consists of three components: Azure Status, Azure Service Health 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>

The correct answer is:

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

From Azure service health, an administrator can view the health of all the services in an Azure environment.[YES]

For Azure service Health, an administrator can create a rule to be alerted if an Azure service fails.[YES]

From Azure Service Health, an administrator can prevent a service failure.[NO]

**Question 50**

Incorrect

Mark 0.00 out of 1.00

HOTSPOT -

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

Hot Area:

Azure Synapse Analytics  is an Apache- spark based analytics service.

Your answer is incorrect.

Azure Databricks is an Apache Spark-based analytics platform. The platform consists of several components including 'MLlib'. 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>

The correct answer is:

HOTSPOT -

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

Hot Area:

[Azure Databricks] is an Apache- spark based analytics service.

**Question 51**

Correct

Mark 1.00 out of 1.00

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.


You are tasked with deploying Azure virtual machines for your company.

You need to make use of the appropriate cloud deployment solution.

Solution: You should make use of Infrastructure as a Service (IaaS).

Does the solution meet the goal?

Select one:

- ☐ A. NO
- ☒ B. YES 

Your answer is correct.

<https://azure.microsoft.com/en-us/resources/cloud-computing-dictionary/what-is-iaas/>

For deploying virtual machines, the appropriate cloud deployment solution is Infrastructure as a Service (IaaS). IaaS provides access to virtualized computing resources such as virtual machines, storage, and networking over the internet. With IaaS, companies can deploy virtual machines in the cloud, which can help them reduce hardware costs, increase flexibility, and improve scalability.

The correct answer is: YES


**Question 52**

Incorrect

Mark 0.00 out of 1.00

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 Monitor 
- ☐ b. Azure virtual machines
- ☐ c. Azure Advisor
- ☐ d. Azure Service Fabric

Your answer is incorrect.

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>

The correct answer is: Azure virtual machines

**Question 53**

Correct

Mark 1.00 out of 1.00

HOTSPOT -

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

Hot Area:

Azure Activity Log

 you can view which user turned off a specific Virtual Machine during the last 14 days.

Your answer is correct.

The correct answer is:

HOTSPOT -

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

Hot Area:

[Azure Activity Log] you can view which user turned off a specific Virtual Machine during the last 14 days.

**Question 54**

Correct

Mark 3.00 out of 3.00

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

You can only manage cloud services from Windows Devices.  ✓

You can manage cloud services from command line.  ✓

You can manage cloud services from a web browser.  ✓

Your answer is correct.

Box 1: No -

Easily manage your Azure storage accounts in the cloud, from Windows, macOS, or Linux, using Azure Storage Explorer.

Box 2: Yes -

Azure cloud services can be managed in Azure Automation by using the PowerShell cmdlets that are available in the Azure PowerShell tools.

Box 3: Yes -

Reference:

<https://azure.microsoft.com/en-us/features/storage-explorer/>

<https://docs.microsoft.com/en-us/azure/cloud-services/automation-manage-cloud-services>

The correct answer is:

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

You can only manage cloud services from Windows Devices. [NO]

You can manage cloud services from command line. [YES]

You can manage cloud services from a web browser. [YES]

**Question 55**

Correct

Mark 3.00 out of 3.00

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

Building a data center infrastructure is an example of operational expenditure (OpEx) costs.

NO ✓

Monthly salaries for technical personnel are an example of operational expenditure (OpEx) costs.

YES ✓

Leasing software is an example of operational expenditure (OpEx) costs.

YES ✓

Your answer is correct.

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 3: 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.

The correct answer is:

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

Building a data center infrastructure is an example of operational expenditure (OpEx) costs. [NO ]

Monthly salaries for technical personnel are an example of operational expenditure (OpEx) costs. [YES]

Leasing software is an example of operational expenditure (OpEx) costs. [YES]

**Question 56**

Correct

Mark 1.00 out of 1.00

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.

You have an Azure environment. You need to create a new Azure virtual machine from a tablet that runs the Android operating system.

Solution: You use PowerShell in Azure Cloud Shell.

Does this meet the goal?

- ☒ a. Yes ✓
- ☐ b. No

Your answer is correct.

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>

The correct answer is: Yes



**Question 57**

Partially correct

Mark 2.00 out of 3.00

HOTSPOT -

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

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

Which blade should you identify for each task? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Monitor the health of Azure Services :  ✓

Browse available Virtual Machine Images :  ✓

View security recommendations :  ✗

Your answer is partially correct.

You have correctly selected 2.

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>

The correct answer is:

HOTSPOT -

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

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

Which blade should you identify for each task? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Monitor the health of Azure Services : [Monitor]

Browse available Virtual Machine Images : [Marketplace]

View security recommendations : [Advisor]

**Question 58**

Correct

Mark 1.00 out of 1.00

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

Azure resource can only access other resource 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.  ✓

Your answer is correct.

Box 1: No -

A resource can interact with resources in other resource groups.

Box 2: Yes -

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

Box 3: Yes -

Resources from multiple different regions can be placed in a resource group. The resource group only contains metadata about the resources it contains.

References:

<https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-group-overview> <https://www.codeisahighway.com/effective-ways-to-delete-resources-in-a-resource-group-on-azure/>

The correct answer is:

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

Azure resource can only access other resource in the same resource group.[NO]

If you delete a resource group, all the resources in the resource group will be deleted.[YES]

A resource group can contain resources from multiple Azure regions.[YES]

**Question 59**

Correct

Mark 2.00 out of 2.00

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

NOTE: Each correct selection is worth one point.

Select one or more:

- ☐ A. Limited storage
- ☒ B. Metered pricing ✓
- ☐ C. Unsecured connections
- ☒ D. Self-service management ✓
- ☐ E. Dedicated hardware

Your answer is correct.

The correct answers are: Metered pricing, Self-service management

**Question 60**

Correct

Mark 1.00 out of 1.00

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?

Select one:

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

Your answer is correct.

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>

The correct answer is: an Azure data center failure

**Question 61**

Correct

Mark 2.00 out of 2.00

You plan to deploy several Azure virtual machines.

You need to ensure that the services running on the virtual machines remain available if a single data center fails.

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

Select one or more:

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

Your answer is correct.

Reference:

<https://docs.microsoft.com/en-us/azure/virtual-machine-scale-sets/overview> <https://docs.microsoft.com/en-us/azure/virtual-machines/windows/regions>

The correct answers are: Deploy the virtual machines to two or more availability zones., Deploy the virtual machines to two or more regions.

**Question 62**

Correct

Mark 1.00 out of 1.00

Your company has virtual machines (VMs) hosted in Microsoft Azure. The VMs are located in a single Azure virtual network named VNet1. The company has users that work remotely. The remote workers require access to the VMs on VNet1. You need to provide access for the remote workers. What should you do?

Select one:

- ☐ A. Configure DirectAccess on a Windows Server 2012 server VM
- ☒ B. Configure a Point-to-Site (P2S) VPN ✓
- ☐ C. Configure a Site-to-Site (S2S) VPN
- ☐ D. Configure a Multi-Site VPN
- ☐ E. Configure a VNet-toVNet VPN

Your answer is correct.

Link – <https://learn.microsoft.com/en-us/azure/vpn-gateway/design#P2S>

A Point-to-Site (P2S) VPN gateway connection lets you create a secure connection to your virtual network from an individual client computer. A P2S connection is established by starting it from the client computer. This solution is useful for telecommuters who want to connect to Azure VNets from a remote location, such as from home or a conference. P2S VPN is also a useful solution to use instead of S2S VPN when you have only a few clients that need to connect to a VNet.

Point (employee) - to - Site (company)

The correct answer is: Configure a Point-to-Site (P2S) VPN

**Question 63**

Correct

Mark 1.00 out of 1.00

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 Designer ✓
- ☐ c. Azure Cosmos DB
- ☐ d. Azure Batch

Your answer is correct.

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>

The correct answer is: Azure Machine Learning Designer

**Question 64**


Correct

Mark 1.00 out of 1.00

HOTSPOT -

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

Hot Area:

Azure Resource Manager templates provide  a common platform for deploying objects to a cloud infrastructure and for implementing consistency across the azure environment.

Your answer is correct.

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>

The correct answer is:

HOTSPOT -

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

Hot Area:

[Azure Resource Manager templates provide] a common platform for deploying objects to a cloud infrastructure and for implementing consistency across the azure environment.

**Question 65**

Correct

Mark 1.00 out of 1.00

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. ✓

Your answer is correct.

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.

The correct answers are: Use Bash in Azure Cloud Shell, Use PowerShell in Azure Cloud Shell., Use the Azure portal.

**Question 66**

Partially correct

Mark 2.00 out of 3.00

**DRAG DROP -**

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.

Select and Place:

Azure Policy	✓	Restrict which virtual machine type can be created in a subscription.
Azure resource locks	✗	Identify Azure resources that are associated with specific cost center.
Azure blueprints	✓	Deploy a complete Azure application environment including resource configuration and role assignments.
Azure Policy		<div>Azure tags</div> <div>Azure resource locks</div> <div>Azure blueprints</div>

Your answer is partially correct.

You have correctly selected 2.

Reference:

<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>

The correct answer is:

**DRAG DROP -**

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.

Select and Place:

[Azure Policy] Restrict which virtual machine type can be created in a subscription.

[Azure tags] Identify Azure resources that are associated with specific cost center.

[Azure blueprints] Deploy a complete Azure application environment including resource configuration and role assignments.



**Question 67**

Correct

Mark 2.00 out of 2.00

HOTSPOT -

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

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

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

NOTE: Each correct selection is worth one point.

Hot Area:

App1: Platform as a service(PaaS) ✓

App2: Infrastructure as a service(IaaS) ✓

Your answer is correct.

Box 1: Azure Platform as a service (PaaS)

Organizations typically use PaaS for these scenarios:

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

Box 2:

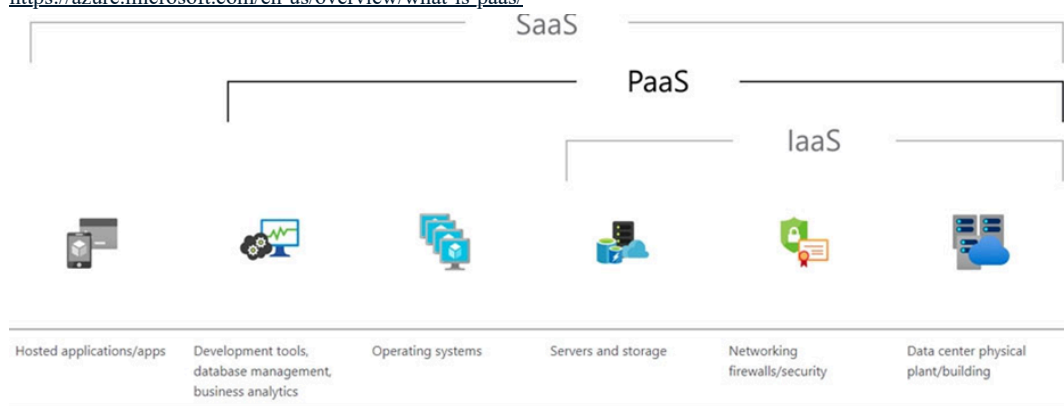
Software as a service (SaaS) allows users to connect to and use cloud-based apps over the Internet. Common examples are email, calendaring, and office tools

(such as Microsoft Office 365).

SaaS provides a complete software solution that you purchase on a pay-as-you-go basis from a cloud service provider. You rent the use of an app for your organization, and your users connect to it over the Internet, usually with a web browser. All of the underlying infrastructure, middleware, app software, and app data are located in the service provider's data center. The service provider manages the hardware and software, and with the appropriate service agreement, will ensure the availability and the security of the app and your data as well. SaaS allows your organization to get quickly up and running with an app at minimal upfront cost.

Link-

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



The correct answer is:

HOTSPOT -

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

- ☞ You must be able to modify the code of App1.

☞ Administrative effort to manage the operating system of App1 must be minimized.

☞ App2 must run interactively with the operating system of the server.

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

NOTE: Each correct selection is worth one point.

Hot Area:

App1:[Platform as a service(PaaS)]

App2:[Infrastructure as a service(IaaS)]

**Question 68**

Correct

Mark 3.00 out of 3.00

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

A Windows Virtual Desktop session host can run Windows 10 only.  ✓

A Window Virtual Desktop host pool that includes 20 session hosts supports a maximum of 20 simultaneously user connection.  ✓

Window Virtual Desktop support desktop and app virtualization.  ✓

Your answer is correct.

Reference:

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

The correct answer is:

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

A Windows Virtual Desktop session host can run Windows 10 only.[NO]

A Window Virtual Desktop host pool that includes 20 session hosts supports a maximum of 20 simultaneously user connection.[NO]

Window Virtual Desktop support desktop and app virtualization.[YES]

**Question 69**

Partially correct

Mark 0.75 out of 1.00

Your company intends to subscribe to an Azure support plan. The support plan must allow for new support requests to be opened. Which of the following are support plans that will allow this? Select all that apply.

Select one or more:

- ☐ A. BASIC
- ☒ B. PROFESSIONAL DIRECT ✓
- ☒ C. PREMIER ✓
- ☒ D. STANDARD ✓
- ☐ E. DEVELOPER

Your answer is partially correct.

You have correctly selected 3.

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

The correct answers are: DEVELOPER, STANDARD, PROFESSIONAL DIRECT, PREMIER

**Question 70**

Correct

Mark 1.00 out of 1.00

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You are tasked with deploying a critical LOB application, which will be installed on a virtual machine, to Azure.

You are informed that the application deployment strategy should allow for a guaranteed availability of 99.99 percent. You need to make sure that the strategy requires as little virtual machines and availability zones as possible.

Solution: You include two virtual machines and one availability zone in your strategy.

Does the solution meet the goal?

Select one:

- ☐ A. YES
- ☒ B. NO ✓

Your answer is correct.

Link – <https://www.azure.cn/en-us/support/sla/virtual-machines/>

Azure's SLA for Virtual Machines with a single instance is 99.5% availability. To achieve a guaranteed availability of 99.99%, you would need to deploy the application in an architecture that takes advantage of Azure's higher availability options, such as Availability Zones.

For an SLA of 99.99%, deploying the application in at least two Availability Zones would be recommended. This would ensure that your application is highly available across separate physical locations, each with its own power, cooling, and networking, reducing the risk of a single point of failure. Simply deploying two virtual machines in a single Availability Zone would not achieve the desired level of availability.

The correct answer is: NO

**Question 71**

Correct

Mark 1.00 out of 1.00

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

Your answer is correct.

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

Incorrect Answers:

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.

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>

The correct answer is: Azure Repos

**Question 72**

Incorrect

Mark 0.00 out of 1.00

At which OSI layer does ExpressRoute operate?

Select one:

- ☒ A. Layer 2 ✗
- ☐ B. Layer 7
- ☐ C. Layer 5
- ☐ D. Layer 3

Your answer is incorrect.

Azure ExpressRoute operates at the layer 3 of the OSI model, which is the network layer. This means that ExpressRoute provides address-level connectivity between your on-premises network and the Microsoft cloud through a connectivity provider. ExpressRoute uses BGP, an industry standard dynamic routing protocol, to exchange routes between your network and Microsoft. You can use ExpressRoute to access various Microsoft cloud services, such as Azure and Microsoft 365.

Reference:

<https://learn.microsoft.com/en-us/azure/architecture/reference-architectures/hybrid-networking/expressroute>

The correct answer is: Layer 3

**Question 73**

Correct

Mark 1.00 out of 1.00

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

Your company's developers intend to deploy a large number of custom virtual machines on a weekly basis. They will also be removing these virtual machines during the same week it was deployed. Sixty percent of the virtual machines have Windows Server 2016 installed, while the other forty percent has Ubuntu Linux installed.

You are required to make sure that the administrative effort, needed for this process, is reduced by employing a suitable Azure service.

Solution: You recommend the use of Azure Reserved Virtual Machines (VM) Instances.

Does the solution meet the goal?

Select one:

- ☒ A. NO ✓
- ☐ B. YES

Your answer is correct.

Link – [Azure Reserved Virtual Machine Instances](#) | [Microsoft Azure](#)

[Describe Azure virtual machines - Training](#) | [Microsoft Learn](#)

Azure Reserved Virtual Machine (VM) Instances are not the most suitable solution for deploying and managing a large number of custom virtual machines on a weekly basis that are also removed during the same week. Reserved VM Instances are used to save costs by committing to a specific VM instance type for a one- or three-year term, which is not aligned with the short-term and frequent deployment and removal pattern described in your scenario.

To reduce administrative effort for your specific use case, you might consider using Azure DevTest Labs. Azure DevTest Labs allows you to quickly create environments in Azure while managing costs by setting up policies for resource usage. You can create a lab that aligns with your requirements, including Windows Server and Ubuntu Linux VMs, and allow your developers to deploy and remove VMs easily in a controlled environment.

Therefore, the solution of using Azure Reserved VM Instances does not meet the goal of reducing administrative effort for deploying and managing a large number of custom virtual machines on a weekly basis that are also removed within the same week.

The correct answer is: NO

**Question 74**

Partially correct

Mark 2.00 out of 4.00

To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

- |   |                     |   |
|---|---------------------|---|
| A cloud service that remains available after a failure occurred | Low latency         | ✗ |
| A cloud service that can be recovered after a failure occurs    | Disaster recovery   | ✓ |
| A cloud service that performs quickly when demand increases     | Dynamic scalability | ✓ |
| A cloud service that can be accessed quickly from the internet  | Fault tolerance     | ✗ |

Your answer is partially correct.

You have correctly selected 2.

Link-

<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/>

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.

The correct answer is:

To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

- |   |                        |
|---|------------------------|
| A cloud service that remains available after a failure occurred | [Fault tolerance]      |
| A cloud service that can be recovered after a failure occurs    | [Disaster recovery]    |
| A cloud service that performs quickly when demand increases     | [Dynamic scalability ] |
| A cloud service that can be accessed quickly from the internet  | [Low latency]          |

**Question 75**

Correct

Mark 2.00 out of 2.00

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.

Select one or more:

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

Your answer is correct.

You can use Power BI to analyze and visualize data stored in Azure Data Lake and Azure SQL Data Warehouse.

Azure Data Lake includes all of the capabilities required to make it easy for developers, data scientists and analysts to store data of any size and shape and at any speed, and do all types of processing and analytics across platforms and languages. It removes the complexities of ingesting and storing all your data while making it faster to get up and running with batch, streaming and interactive analytics. It also integrates seamlessly with operational stores and data warehouses so that you can extend current data applications.

References:

<https://docs.microsoft.com/en-us/azure/data-lake-store/data-lake-store-power-bi> <https://azure.microsoft.com/en-gb/solutions/data-lake/>  
<https://docs.microsoft.com/en-us/azure/data-lake-store/data-lake-store-power-bi>

The correct answers are: Azure Data Lake, Azure SQL Data Warehouse

**Question 76**

Correct

Mark 3.00 out of 3.00

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

Data that is stored in an Azure storage account automatically has at least three copies. YES ✓

All data that is copied to a Azure Storage account is backed up automatically to another Azure data center. NO ✓

An azure storage account can contain up to 2 Tb of data and up to one million files. NO ✓

Your answer is correct.

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>

The correct answer is:

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

Data that is stored in an Azure storage account automatically has at least three copies.[YES]

All data that is copied to a Azure Storage account is backed up automatically to another Azure data center.[NO]

An azure storage account can contain up to 2 Tb of data and up to one million files.[NO]



**Question 77**

Incorrect

Mark 0.00 out of 1.00

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

Your company is planning to migrate all their virtual machines to an Azure pay-as-you-go subscription. The virtual machines are currently hosted on the Hyper-V hosts in a data center.

You are required make sure that the intended Azure solution uses the correct expenditure model.

Solution: You should recommend the use of the scalable expenditure model.

Does the solution meet the goal?

Select one:

- ☐ A. NO
- ☒ B. YES ✖

Your answer is incorrect.

Link – <https://azure.microsoft.com/en-in/pricing/offers/ms-azr-0003p>

The term "scalable expenditure model" still isn't a standard term in Azure or cloud computing. The common expenditure models in Azure are "pay-as-you-go" and "reserved instances."

Pay-as-you-go: This is the default and most common expenditure model in Azure. It means you pay for resources you consume on an hourly or per-minute basis. It offers flexibility to scale resources up and down as needed.

Reserved Instances: This is an expenditure model where you commit to a one- or three-year term for a particular virtual machine instance type, size, and region. This commitment provides you with a discount compared to pay-as-you-go pricing. If you're migrating to a pay-as-you-go subscription, you're already aligning with the pay-as-you-go expenditure model.

The term "scalable expenditure model" is not an accurate description of an established concept in Azure, so the solution is not correct. The appropriate description for the chosen expenditure model is "pay-as-you-go".

The correct answer is: NO

**Question 78**

Correct

Mark 3.00 out of 3.00

HOTSPOT -

Select the answer that correctly completes the sentence.



is a desktop and application virtualization service that enables the use of a cloud-hosted version of windows from any location.

Your answer is correct.

Link – <https://azure.microsoft.com/en-us/products/virtual-desktop>

Azure Virtual Desktop, formerly known as Windows Virtual Desktop, is a Microsoft Azure-based system for virtualizing its Windows operating systems, providing virtualized desktops and applications securely in the cloud. It is aimed at enterprise customers rather than at individual users.

The correct answer is:

HOTSPOT -

Select the answer that correctly completes the sentence.

[Azure virtual desktop] is a desktop and application virtualization service that enables the use of a cloud-hosted version of windows from any location.

**Question 79**

Partially correct

Mark 0.33 out of 1.00

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

You can use Azure Cost Management to view costs associated to management groups.  ✖

You can use Azure Cost Management to view costs associated to resource groups.  ✔

You can use Azure Cost Management to view the usage of virtual machines during the last three machines.  ✖

Your answer is partially correct.

You have correctly selected 1.

Reference:

<https://docs.microsoft.com/en-us/azure/cost-management-billing/costs/quick-acm-cost-analysis> <https://docs.microsoft.com/en-us/azure/cost-management-billing/costs/cost-analysis-common-uses>

The correct answer is:

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

You can use Azure Cost Management to view costs associated to management groups. [No]

You can use Azure Cost Management to view costs associated to resource groups. [Yes]

You can use Azure Cost Management to view the usage of virtual machines during the last three machines. [Yes]

**Question 80**

Correct

Mark 1.00 out of 1.00

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. No ✓
- ☐ b. Yes

Your answer is correct.

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>

The correct answer is: No

**Question 81**

Correct

Mark 1.00 out of 1.00

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.

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?

Select one:

- ☒ A. YES ✓
- ☐ B. NO

Your answer is correct.

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>

The correct answer is: YES

**Question 82**

Correct

Mark 1.00 out of 1.00

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

Your company has an Azure Active Directory (Azure AD) environment. Users occasionally connect to Azure AD via the Internet.

You have been tasked with making sure that users who connect to Azure AD via the internet from an unidentified IP address, are automatically encouraged to change passwords.

Solution: You configure the use of Azure AD Privileged Identity Management.

Does the solution meet the goal?

Select one:

- ☒ A. NO ✓
- ☐ B. YES

Your answer is correct.

Link – <https://learn.microsoft.com/es-es/entra/id-governance/privileged-identity-management/pim-configure>

Privileged Identity Management provides time-based and approval-based role activation to mitigate the risks of excessive, unnecessary, or misused access permissions on resources that you care about. Here are some of the key features of Privileged Identity Management:

Provide just-in-time privileged access to Azure AD and Azure resources

Assign time-bound access to resources using start and end dates

Require approval to activate privileged roles

Enforce multi-factor authentication to activate any role

Use justification to understand why users activate

Get notifications when privileged roles are activated

Conduct access reviews to ensure users still need roles

Download audit history for internal or external audit

Prevents removal of the last active Global Administrator role assignment

The correct answer is: NO

**Question 83**

Correct

Mark 1.00 out of 1.00

Which service provides network traffic filtering across multiple Azure subscriptions and virtual networks?

- ☐ a. Azure DDoS protection
- ☐ b. an application security group
- ☒ c. Azure Firewall ✓
- ☐ d. a network security group (NSG)

Your answer is correct.

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>

The correct answer is: Azure Firewall

**Question 84**

Correct

Mark 1.00 out of 1.00

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

Your company is planning to migrate all their virtual machines to an Azure pay-as-you-go subscription. The virtual machines are currently hosted on the Hyper-V hosts in a data center.

You are required make sure that the intended Azure solution uses the correct expenditure model.

Solution: You should recommend the use of the elastic expenditure model.

Does the solution meet the goal?

Select one:

- ☐ A. YES
- ☒ B. NO ✓

Your answer is correct.

Link – <https://azure.microsoft.com/en-us/overview/what-is-elastic-computing/>

Elasticity is not an expenditure model rather is one of the characteristics of cloud computing. The basic advantage of cloud computing is shifting your high Capital Expenditure (CAPEX) requirements to optimal Pay -As-You-Go model which is Operational Expenditure (OPEX)

The correct answer is: NO

**Question 85**

Correct

Mark 1.00 out of 1.00

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

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

platform as a Service(PaaS)



Your answer is correct.

Box: Platform as a service (PaaS)

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

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

Reference:

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

The correct answer is:

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

A Microsoft SQL database that is hosted in the cloud and has software updates managed by Azure is an example of [platform as a Service(PaaS)]

**Question 86**

Incorrect

Mark 0.00 out of 1.00

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.

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

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

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

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

Does this meet the goal?

Select one:

- ☒ A. YES ✖
- ☐ B. NO

Your answer is incorrect.

Link –<https://docs.microsoft.com/en-us/azure/azure-sql/azure-sql-iaas-vs-paas-what-is-overview>

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

The correct answer is: NO



**Question 87**

Correct

Mark 1.00 out of 1.00

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?

Select one:

- ☐ A. a virtual machine data disk
- ☐ B. a Blob service in a storage account
- ☐ C. an Azure SQL database
- ☒ D. a File service in a storage account ✓

Your answer is correct.

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>

The correct answer is: a File service in a storage account

**Question 88**

Correct

Mark 1.00 out of 1.00

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.

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?

Select one:

- ☒ A. YES ✓
- ☐ B. NO

Your answer is correct.

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>

The correct answer is: YES

**Question 89**

Correct

Mark 2.00 out of 2.00

HOTSPOT -

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

Hot Area:

An Available zone in Azure has physical separate locations  ✓

Your answer is correct.

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>

The correct answer is:

HOTSPOT -

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

Hot Area:

An Available zone in Azure has physical separate locations [within a single Azure region.]

**Question 90**

Partially correct

Mark 2.00 out of 3.00

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

North America is represented by a single Azure region. YES ✖

Every Azure region has multiple datacenters. YES ✔

Data transfers between Azure services located in different Azure Region are always free. NO ✔

Your answer is partially correct.

You have correctly selected 2.

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/>

The correct answer is:

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

North America is represented by a single Azure region.[NO]

Every Azure region has multiple datacenters.[YES]

Data transfers between Azure services located in different Azure Region are always free.[NO]

**Question 91**

Correct

Mark 1.00 out of 1.00

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

Your answer is correct.

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>

The correct answer is: a logic app

**Question 92**

Correct

Mark 2.00 out of 2.00

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 Cloud Shell ✓
- ☒ b. the Azure portal ✓
- ☐ c. Windows PowerShell
- ☐ d. Azure Storage Explorer
- ☐ e. Azure CLI

Your answer is correct.

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:

Azure CLI can be installed on MacOS but it cannot be installed on an iPhone.

Windows PowerShell can be installed on MacOS but it cannot be installed on an iPhone.

Azure Storage Explorer is not used to manage Azure web apps.

References:

<http://www.deployazure.com/management/managing-azure-from-ipad/>

The correct answers are: the Azure portal, Azure Cloud Shell

**Question 93**

Correct

Mark 1.00 out of 1.00

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

Select one or more:

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

Your answer is correct.

Link- <https://azure.microsoft.com/en-gb/overview/what-is-iaas/>

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).

The correct answer is: an Azure virtual machine

**Question 94**

Partially correct

Mark 2.00 out of 3.00

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

Azure files is an example of infrastructure as a service(IaaS)

YES



DNS server that runs on virtual machine is an example of platform as a service(PaaS)

NO



Microsoft Intune is an example of software as a service(SaaS)

YES



Your answer is partially correct.

You have correctly selected 2.

Reference:

<https://azure.microsoft.com/en-gb/overview/what-is-iaas/><https://azure.microsoft.com/en-gb/overview/what-is-paas/><https://azure.microsoft.com/en-gb/overview/what-is-saas/>

The correct answer is:

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

Azure files is an example of infrastructure as a service(IaaS)

[YES]

DNS server that runs on virtual machine is an example of platform as a service(PaaS)

[YES]

Microsoft Intune is an example of software as a service(SaaS)

[YES]



**Question 95**

Incorrect

Mark 0.00 out of 1.00

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

Your company's infrastructure includes a number of business units that each need a large number of various Azure resources for everyday operation.


The resources required by each business unit are identical.

You are required to sanction a strategy to create Azure resources automatically.

Solution: You recommend that management groups be included in the strategy.

Does the solution meet the goal?

Select one:

- ☒ A. YES 
- ☐ B. NO

Your answer is incorrect.

Link – <https://docs.microsoft.com/en-us/azure/azure-resource-manager/templates/overview>

<https://learn.microsoft.com/en-us/azure/governance/management-groups/overview>

Management groups are used to organize resources and manage access, policy, and compliance across multiple subscriptions, but they are not specifically designed for automatically creating Azure resources.

Instead, consider using Azure Resource Manager templates (ARM templates) or Azure Blueprints for automating the creation and management of Azure resources.

The correct answer is: NO

**Question 96**

Correct

Mark 4.00 out of 4.00

**DRAG DROP -**

Match the Azure service to the correct description.

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

NOTE: Each correct selection is worth one point.

Select and Place:

Azure Bot Services	✓	provides a digital online assistant that provides speech support.
Azure Machine Learning	✓	uses past training to provide predictions that have high probability.
Azure Functions	✓	provides serverless computing functionalities.
Azure IoT Hub	✓	processes data from millions of sensors.

Your answer is correct.

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>

The correct answer is:

**DRAG DROP -**

Match the Azure service to the correct description.

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

NOTE: Each correct selection is worth one point.

Select and Place:

[Azure Bot Services] provides a digital online assistant that provides speech support.

[Azure Machine Learning] uses past training to provide predictions that have high probability.

[Azure Functions] provides serverless computing functionalities.

[Azure IoT Hub] processes data from millions of sensors.

**Question 97**

Correct

Mark 1.00 out of 1.00

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

Your company's infrastructure includes a number of business units that each need a large number of various Azure resources for everyday operation.

The resources required by each business unit are identical.

You are required to sanction a strategy to create Azure resources automatically.

Solution: You recommend that the Azure Resource Manager templates be included in the strategy.

Does the solution meet the goal?

Select one:

- ☐ A. NO
- ☒ B. YES ✓

Your answer is correct.

Link – <https://docs.microsoft.com/en-us/azure/azure-resource-manager/templates/overview>

<https://learn.microsoft.com/en-us/azure/azure-resource-manager/templates/overview>YES

Using Azure Resource Manager (ARM) templates is a highly effective strategy for automatically creating and managing Azure resources, especially when you have identical requirements for multiple business units. ARM templates allow you to define your infrastructure as code, specifying the resources, configurations, and relationships in a declarative manner.

By creating ARM templates that represent the required resources, you can deploy them consistently across different business units while ensuring that the configurations are identical. This approach is efficient, repeatable, and scalable, making it a suitable solution for automating resource deployment.

Therefore, recommending the use of Azure Resource Manager templates in the strategy aligns with the goal of automatically creating Azure resources for each business unit.

The correct answer is: YES

**Question 98**

Correct

Mark 1.00 out of 1.00

Which term represents the ability to increase the computing capacity of a virtual machine by adding memory or CPUs?

Select one:

- ☐ A. agility
- ☒ B. vertical scaling ✓
- ☐ C. elasticity
- ☐ D. horizontal scaling

Your answer is correct.

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

Reference:

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

The correct answer is: vertical scaling

**Question 99**

Correct

Mark 1.00 out of 1.00

Which term represents the ability to increase the computing capacity of a virtual machine by adding memory or CPUs?

Select one:

- ☐ A. horizontal scaling
- ☐ B. elasticity
- ☐ C. agility
- ☒ D. vertical scaling ✓

Your answer is correct.

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

Reference:

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

The correct answer is: vertical scaling

**Question 100**

Correct

Mark 1.00 out of 1.00

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

Your answer is correct.

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>

The correct answer is: Yes

**Question 101**

Partially correct

Mark 1.00 out of 3.00

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

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 backup.  ✖

Your answer is partially correct.

You have correctly selected 1.

Box 2: No

Box 2: Yes -

Usage scenarios for the hot access tier include:

- ☞ Data that is in active use or is expected to be read from and written to frequently
- ☞ Data that is staged for processing and eventual migration to the cool access tier

Box 3: No -

Usage scenarios for the cool access tier include:

- ☞ Short-term backup and disaster recovery
- ☞ Older data not used frequently but expected to be available immediately when accessed
- Large data sets that need to be stored cost effectively, while more data is being gathered for future processing

Reference:

<https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-storage-tiers>

The correct answer is:

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

The Archive access tier is set at the storage account level.[NO]

The Hot access tier is recommended for data that is accessed and modified frequently .[YES]

The cool access tier is recommended for long term backup.[NO]


**Question 102**

Incorrect

Mark 0.00 out of 1.00

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

Select one:

- ☒ A. Azure Monitor 
- ☐ B. Azure Event Hubs
- ☐ C. Azure Stream Analytics
- ☐ D. Azure Analysis Services

Your answer is incorrect.

Azure Event Hubs is a big data streaming platform and event ingestion service. It can receive and process millions of events per second. Data sent to an event hub can be transformed and stored by using any real-time analytics provider or batching/storage adapters.

Azure Event Hubs can be used to ingest, buffer, store, and process your stream in real time to get actionable insights. Event Hubs uses a partitioned consumer model, enabling multiple applications to process the stream concurrently and letting you control the speed of processing.

Azure Event Hubs can be used to capture your data in near-real time in an Azure Blob storage or Azure Data Lake Storage for long-term retention or micro-batch processing.

Reference:

<https://docs.microsoft.com/en-us/azure/event-hubs/event-hubs-about>

The correct answer is: Azure Event Hubs


**Question 103**

Correct

Mark 1.00 out of 1.00

What is the most severe failure from which an Azure Availability Zone can be used to protect access to Azure service?

Select one:

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

Your answer is correct.

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>

The correct answer is: an Azure data center failure

**Question 104**

Correct

Mark 1.00 out of 1.00

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

Select one:

- ☒ A. hybrid ✓
- ☐ B. public
- ☐ C. private

Your answer is correct.

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

Reference:

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

The correct answer is: hybrid



**Question 105**

Correct

Mark 3.00 out of 3.00

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

You must have internet connectivity to manage cloud services.  ✓

You must install a management app to manage cloud services.  ✓

You can manage cloud services for any modern browser.  ✓

Your answer is correct.

Box 1: Yes -

Box 2: No -

Cloud services can be managed through <https://portal.azure.com/>

In the Cloud Services area of the Azure portal, you can:

Update a service role or a deployment.

Promote a staged deployment to production.

Link resources to your cloud service so that you can see the resource dependencies and scale the resources together.

Delete a cloud service or a deployment.

Box 3: Yes -

Reference:

<https://docs.microsoft.com/en-us/azure/cloud-services/cloud-services-how-to-manage-portal>

The correct answer is:

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

You must have internet connectivity to manage cloud services. [Yes]

You must install a management app to manage cloud services. [No]

You can manage cloud services for any modern browser. [Yes]

**Question 106**

Correct

Mark 1.00 out of 1.00

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

Your company's infrastructure includes a number of business units that each need a large number of various Azure resources for everyday operation.

The resources required by each business unit are identical.

You are required to sanction a strategy to create Azure resources automatically.

Solution: You recommend that the Azure API Management service be included in the strategy.

Does the solution meet the goal?

Select one:

- ☐ A. YES
- ☒ B. NO ✓

Your answer is correct.

Link - <https://docs.microsoft.com/en-us/azure/azure-resource-manager/templates/overview>

<https://azure.microsoft.com/es-es/products/api-management> <https://azure.microsoft.com/es-es/get-started/azure-portal/resource-manager>

Azure API Management is a service that helps you create consistent and modern API gateways for existing back-end services. While it's an essential tool for managing and securing APIs, it is not designed to automatically create various Azure resources for different business units.

To automatically create identical Azure resources for each business unit, you would typically use Azure Resource Manager (ARM) templates, Azure Policy, or Infrastructure as Code (IaC) tools like Azure Bicep or Terraform. These tools allow you to define and deploy your infrastructure as code, ensuring consistency and reproducibility.

So, the solution of using Azure API Management does not meet the goal of automatically creating Azure resources for each business unit.

The correct answer is: NO

**Question 107**

Partially correct

Mark 2.00 out of 3.00

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

A company can extend a private cloud by adding its own physical server to the public cloud

YES



To build a hybrid cloud, you must deploy resources to the public cloud

YES



A private cloud must be disconnected from the internet

NO



Your answer is partially correct.

You have correctly selected 2.

Link-

<https://azure.microsoft.com/en-gb/overview/what-are-private-public-hybrid-clouds/>

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.

The correct answer is:

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

A company can extend a private cloud by adding its own physical server to the public cloud [NO]

To build a hybrid cloud, you must deploy resources to the public cloud [YES]

A private cloud must be disconnected from the internet [NO]

**Question 108**

Correct

Mark 1.00 out of 1.00

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?

Select one:

- ☐ A. a read-only lock
- ☒ B. an Azure policy ✓
- ☐ C. a reservation
- ☐ D. a management group

Your answer is correct.

To ensure that administrators can only create resources in specific regions, you should use Azure Policy. 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. You can use Azure Policy to enforce policies that limit the regions available for resource creation.

Read-only locks are used to prevent users from deleting or modifying a resource. They do not restrict the creation of new resources.

Management groups are used to organize subscriptions and apply governance conditions to them. They do not restrict the creation of new resources.

Reservations are used to prepay for specific services for a defined period of time. They do not restrict the creation of new resources.

The correct answer is: an Azure policy

**Question 109**

Incorrect

Mark 0.00 out of 1.00

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?

Select one:

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

Your answer is incorrect.

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

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 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).

The correct answer is: a private cloud

**Question 110**

Correct

Mark 3.00 out of 3.00

**DRAG DROP -**

Match the cloud service models to the appropriate solutions.

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

NOTE: Each correct match is worth one point.

Select and Place:

Infrastructure as a service (IaaS)	✓	A cloud-based file server
Software as a service (SaaS)	✓	A cloud-based accounting system
Platform as a service (PaaS)	✓	A cloud -based service for custom apps
Software as a service (SaaS)		Platform as a service (PaaS)
		Infrastructure as a service (IaaS)

Your answer is correct.

**Box 1: Infrastructure as a service (IaaS)**

Azure Files is a simple, secure, and serverless enterprise-grade cloud file shares.

Infrastructure as a service (IaaS) is a type of cloud computing service that offers essential compute, storage, and networking resources on demand, on a pay-as-you-go basis.

**Box 2: Software as a service (SaaS)**

Dynamics 365 is a set of interconnected, modular Software-as-a-Service (SaaS) applications and services designed to both transform and enable your core customers, employees, and business activities. It includes Dynamics 365 Finance: use the guided, rules-based chart of accounts and no-code configuration service to simplify regulatory reporting, electronic invoicing, and global payments.

**Box 3: Platform as a service (PaaS)**

Platform as a service (PaaS) is a complete development and deployment environment in the cloud, with resources that enable you to deliver everything from simple cloud-based apps to sophisticated, cloud-enabled enterprise applications.

Reference:

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

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

The correct answer is:

**DRAG DROP -**

Match the cloud service models to the appropriate solutions.

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

NOTE: Each correct match is worth one point.

Select and Place:

[Infrastructure as a service (IaaS)]	A cloud-based file server
[Software as a service (SaaS)]	A cloud-based accounting system
[Platform as a service (PaaS)]	A cloud -based service for custom apps

**Question 111**

Correct

Mark 1.00 out of 1.00

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?

Select one:

- ☐ A. Elasticity
- ☐ B. low latency
- ☐ C. scalability
- ☒ D. Fault tolerance ✓

Your answer is correct.

Link –<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/manage-availability>

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.

The correct answer is: Fault tolerance

**Question 112**

Correct

Mark 1.00 out of 1.00

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You are planning to migrate a company to Azure. Each of the company's numerous divisions will have an administrator in place to manage the Azure resources used by their respective division.

You want to make sure that the Azure deployment you employ allows for Azure to be segmented for the divisions, while keeping administrative effort to a minimum.

Solution: You plan to make use of several Azure Active Directory (Azure AD) directories.

Does the solution meet the goal?

Select one:

- ☐ A. YES
- ☒ B. NO ✓

Your answer is correct.

Link – [Describe Azure directory services - Training | Microsoft Learn](#)

Creating multiple Azure Active Directory (Azure AD) directories for each division is not the most suitable solution for achieving segmentation of Azure resources for divisions. While it's technically possible to have separate Azure AD directories for different divisions, this approach can lead to increased administrative complexity and additional management overhead. Managing multiple directories could require more effort and potentially result in a less cohesive and efficient setup. A more suitable solution would involve using Azure RBAC (Role-Based Access Control) to assign appropriate permissions to administrators within a single Azure AD directory. This way, you can achieve the desired segmentation of resources while minimizing administrative effort. Each division's administrator can be assigned specific roles and permissions to manage their respective resources within the same Azure AD directory.

The correct answer is: NO



**Question 113**

Correct

Mark 2.00 out of 2.00

HOTSPOT -

Which cloud deployment solution is used for Azure virtual machines and Azure SQL databases? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Azure virtual machine  ✓

Azure SQL Database  ✓

Your answer is correct.

Link- <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>

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.

The correct answer is:

HOTSPOT -

Which cloud deployment solution is used for Azure virtual machines and Azure SQL databases? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Azure virtual machine [Infrastructure as a service (IaaS)]

Azure SQL Database [Platform as a service (PaaS)]

**Question 114**

Correct

Mark 1.00 out of 1.00

Your company has virtual machines (VMs) hosted in Microsoft Azure. The VMs are located in a single Azure virtual network named VNet1. The company has users that work remotely. The remote workers require access to the VMs on VNet1. You need to provide access for the remote workers. What should you do?

Select one:

- ☒ A. Configure a Point-to-Site (P2S) VPN ✓
- ☐ B. Configure DirectAccess on a Windows Server 2012 server VM
- ☐ C. Configure a Multi-Site VPN
- ☐ D. Configure a VNet-to-VNet VPN
- ☐ E. Configure a Site-to-Site (S2S) VPN

Your answer is correct.

Link – <https://learn.microsoft.com/en-us/azure/vpn-gateway/design#P2S>

A Point-to-Site (P2S) VPN gateway connection lets you create a secure connection to your virtual network from an individual client computer. A P2S connection is established by starting it from the client computer. This solution is useful for telecommuters who want to connect to Azure VNets from a remote location, such as from home or a conference. P2S VPN is also a useful solution to use instead of S2S VPN when you have only a few clients that need to connect to a VNet.

Point (employee) - to - Site (company)

The correct answer is: Configure a Point-to-Site (P2S) VPN

**Question 115**

Incorrect

Mark 0.00 out of 1.00

HOTSPOT -

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

Hot Area:

You have several virtual machine in an Azure subscription.

You create a new subscription

The virtual machine can be moved to the new subscription only if they are all in the same resource group.



Your answer is incorrect.

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>

The correct answer is:

HOTSPOT -

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

Hot Area:

You have several virtual machine in an Azure subscription.

You create a new subscription

[The virtual machine can be moved to the new subscription.]

**Question 116**

Correct

Mark 1.00 out of 1.00

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

Your company's Active Directory forest includes thousands of user accounts.

You have been informed that all network resources will be migrated to Azure. Thereafter, the on-premises data center will be retired.

You are required to employ a strategy that reduces the effect on users, once the planned migration has been completed.

Solution: You plan to sync all the Active Directory user accounts to Azure Active Directory (Azure AD).

Does the solution meet the goal?

Select one:

- ☒ A. YES ✓
- ☐ B. NO

Your answer is correct.

<https://docs.microsoft.com/en-us/learn/modules/secure-access-azure-identity-services/3-what-is-azure-active-directory>

Syncing all the Active Directory user accounts to Azure Active Directory (Azure AD) is a common strategy to ensure a smooth migration to the cloud while minimizing the impact on users. This approach is often referred to as implementing a hybrid identity model. By syncing the user accounts to Azure AD using tools like Azure AD Connect, users can continue using their existing credentials to access cloud resources after the migration. This provides a seamless experience for users and reduces the disruption typically associated with migrations. Therefore, the solution of syncing Active Directory user accounts to Azure AD meets the goal of reducing the impact on users during the migration to Azure.

The correct answer is: YES

**Question 117**

Correct

Mark 4.00 out of 4.00

**DRAG DROP -**

Match the Azure service to the correct definition.

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

NOTE: Each correct match is worth one point.

Select and Place:

Azure DevOps	✓ An integrated solution for the development of code
Azure Advisor	✓ A tool that provide guidance and recommendations to improve an Azure environment
Azure Cognitive services	✓ A simplified tool to build intelligent artificial intelligence (AI) applications
Azure Application Insight	✓ Monitors web applications

Your answer is correct.

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>

The correct answer is:

**DRAG DROP -**

Match the Azure service to the correct definition.

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

NOTE: Each correct match is worth one point.

Select and Place:

[Azure DevOps]	An integrated solution for the development of code
[Azure Advisor]	A tool that provide guidance and recommendations to improve an Azure environment
[Azure Cognitive services]	A simplified tool to build intelligent artificial intelligence (AI) applications
[Azure Application Insight]	Monitors web applications

**Question 118**

Correct

Mark 1.00 out of 1.00

You plan to create an Azure virtual machine.

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

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

Answer: Containers: Scalable, cost-effective storage for unstructured data ✓

Your answer is correct.

The correct answer is:

You plan to create an Azure virtual machine.

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

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

Answer: [Containers: Scalable, cost-effective storage for unstructured data]

**Question 119**

Correct

Mark 1.00 out of 1.00

Your company has virtual machines (VMs) hosted in Microsoft Azure. The VMs are located in a single Azure virtual network named VNet1.

The company has users that work remotely. The remote workers require access to the VMs on VNet1.

You need to provide access for the remote workers.

What should you do?

Select one:

- ☒ A. Configure a Point-to-Site (P2S) VPN ✓
- ☐ B. Configure a Site-to-Site (S2S) VPN
- ☐ C. Configure DirectAccess on a Windows Server 2012 server VM
- ☐ D. Configure a Multi-Site VPN
- ☐ E. Configure a VNet-toVNet VPN

Your answer is correct.

Link – <https://learn.microsoft.com/en-us/azure/vpn-gateway/design#P2S>

A Point-to-Site (P2S) VPN gateway connection lets you create a secure connection to your virtual network from an individual client computer. A P2S connection is established by starting it from the client computer. This solution is useful for telecommuters who want to connect to Azure VNets from a remote location, such as from home or a conference. P2S VPN is also a useful solution to use instead of S2S VPN when you have only a few clients that need to connect to a VNet.

Point (employee) - to - Site (company)

The correct answer is: Configure a Point-to-Site (P2S) VPN

**Question 120**

Correct

Mark 1.00 out of 1.00

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

Your company's developers intend to deploy a large number of custom virtual machines on a weekly basis. They will also be removing these virtual machines during the same week it was deployed. Sixty percent of the virtual machines have Windows Server 2016 installed, while the other forty percent has Ubuntu Linux installed.

You are required to make sure that the administrative effort, needed for this process, is reduced by employing a suitable Azure service.

Solution: You recommend the use of Azure DevTest Labs.

Does the solution meet the goal?

Select one:

- ☒ A. YES ✓
- ☐ B. NO

Your answer is correct.

Azure DevTest Labs is a service that allows developers and testers to easily create and manage virtual machines in a centralized and controlled environment. It can be used to automatically deploy virtual machines based on custom images, and allows for the easy scaling of the number of virtual machines as needed. It also allows you to control the costs by creating policies that automatically shut down or de-allocate virtual machines when they are no longer in use.

The correct answer is: YES

**Question 121**


Incorrect

Mark 0.00 out of 1.00

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

The Microsoft 365 Compliance admin center  provides in-depth information about security, privacy, compliance offerings, policies and features across Microsoft cloud products

Your answer is incorrect.

The correct answer is:

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

[Microsoft Trust Center] provides in-depth information about security, privacy, compliance offerings, policies and features across Microsoft cloud products

**Question 122**

Partially correct

Mark 2.00 out of 3.00

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

- Azure pay-as-you-go is an example of CapEx -  ✓
- Paying electricity of your datacenter is an example of OpEx -  ✗
- Deploying your own datacenter is an example of CapEx -  ✓

Your answer is partially correct.

You have correctly selected 2.

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

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 (Capital Expenditure). CapEx is where you pay for something upfront. For example, buying a new physical server.

Box 2: No -

Paying for electricity for your own datacenter will be classed as CapEx, not OpEx.

Box 3: Yes -

Deploying your own datacenter is an example of CapEx. This is because you need to purchase all the infrastructure upfront before you can use it.

The correct answer is:

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

- Azure pay-as-you-go is an example of CapEx - [NO]
- Paying electricity of your datacenter is an example of OpEx - [NO]
- Deploying your own datacenter is an example of CapEx - [YES]



**Question 123**

Partially correct

Mark 2.00 out of 3.00

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

Azure Monitor can measure the performance of on-premises computers.  ✓

Azure Monitor can send alerts to Azure Active Directory security groups.  ✗

Azure Monitor can trigger alerts based on the data in the Azure Log Analytics workspace.  ✓

Your answer is partially correct.

You have correctly selected 2.

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: No -

Azure Monitor cannot send alerts (email) to Azure AD security group but only to Azure AD user: <https://docs.microsoft.com/en-us/azure/azure-monitor/platform/action-groups>.

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>

The correct answer is:

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

Azure Monitor can measure the performance of on-premises computers. [Yes]

Azure Monitor can send alerts to Azure Active Directory security groups. [No]

Azure Monitor can trigger alerts based on the data in the Azure Log Analytics workspace. [Yes]

**Question 124**

Correct

Mark 1.00 out of 1.00

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?

Select one:

- ☐ A. capital
- ☐ B. scalable
- ☐ C. elastic
- ☒ D. operational ✓

Your answer is correct.

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

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 correct answer is: operational

**Question 125**

Correct

Mark 1.00 out of 1.00

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 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

Your answer is correct.

The command can be run from PowerShell or the command prompt if you have the Azure CLI installed.

Reference:

<https://docs.microsoft.com/en-us/cli/azure/install-azure-cli-windows?view=azure-cli-latest>

The correct answer is: Yes

**Question 126**

Correct

Mark 4.00 out of 4.00

**DRAG DROP -**

Match the Azure service to the correct description.

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

NOTE: Each correct match is worth one point.

Select and Place:

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 distribution processing and analysis of big data sets in clusters.

Your answer is correct.

**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/>

The correct answer is:

**DRAG DROP -**

Match the Azure service to the correct description.

Instructions: To answer, drag the appropriate Azure service from the column on the left to its description on the right. Each service may be

used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

Select and Place:

[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 distribution processing and analysis of big data sets in clusters.

**Question 127**

Incorrect

Mark 0.00 out of 1.00

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

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

Your answer is incorrect.

Box: hybrid -

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

Reference:

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

The correct answer is:

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

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

**Question 128**

Partially correct

Mark 2.00 out of 3.00

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 Linux and has the Azure PowerShell module installed. ✔
- ☐ d. a computer that runs Linux and has the Azure CLI tools installed.
- ☐ e. a computer that runs Chrome OS and uses Azure Cloud Shell.

Your answer is partially correct.

You have correctly selected 2.

The correct answers are: a computer that runs Windows 10 and has the Azure PowerShell module installed., a computer that runs Linux and has the Azure PowerShell module installed., a computer that runs Chrome OS and uses Azure Cloud Shell.

**Question 129**

Correct

Mark 1.00 out of 1.00

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.

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

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

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

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

Does this meet the goal?

Select one:

- ☐ A. YES
- ☒ B. NO ✔

Your answer is correct.

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

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

The correct answer is: NO

**Question 130**

Correct

Mark 1.00 out of 1.00

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You are required to deploy an Artificial Intelligence (AI) solution in Azure.

You want to make sure that you are able to build, test, and deploy predictive analytics for the solution.

Solution: You should make use of Azure Machine Learning Studio.

Does the solution meet the goal?

Select one:

- ☒ A. YES ✓
- ☐ B. NO

Your answer is correct.

Link – <https://docs.microsoft.com/bs-cyrl-ba/azure/machine-learning/classic/>

Azure Machine Learning Studio is a platform that enables you to build, test, and deploy machine learning models, including predictive analytics models, in Azure. It provides a visual interface that allows you to create and manage machine learning workflows, experiment with different algorithms and features, and deploy trained models to production.

Using Azure Machine Learning Studio aligns with the goal of building, testing, and deploying predictive analytics for your AI solution. It provides the tools and capabilities necessary to work with machine learning models and predictive analytics in Azure.

The correct answer is: YES

**Question 131**


Incorrect

Mark 0.00 out of 1.00

HOTSPOT -

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

Hot 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 machine, VM1 must  

Your answer is incorrect.

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>

The correct answer is:

HOTSPOT -

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

Hot 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 machine, VM1 must [be deployed to separate virtual network.]

**Question 132**

Correct

Mark 2.00 out of 2.00

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

Your answer is correct.

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>

The correct answers are: Azure Data Lake, Azure IoT Hub



**Question 133**

Correct

Mark 1.00 out of 1.00

**HOTSPOT -**

You plan to extend your company's network to Azure.

The network contains a VPN appliance that uses an IP address of 131.107.200.1.

You need to create an Azure resource that defines the VPN appliance in Azure.

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

Hot Area:

Select one:

- ☐ A. On-premises Data Gateways
- ☐ B. NAT gateway
- ☐ C. Virtual Network Gateways
- ☐ D. Azure Stack Edge/data Box Gateway
- ☐ E. Application Gateways
- ☐ F. Azure Data Box Gateway
- ☒ G. Local Network Gateways ✓
- ☐ H. Web Application Firewall Policies

Your answer is correct.

Link-

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

A Local Network Gateway is an object in Azure that represents your on-premise VPN device. A Virtual Network Gateway is the VPN object at the Azure end of the

VPN. A 'connection' is what connects the Local Network Gateway and the Virtual Network Gateway to bring up the VPN.

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

The correct answer is: Local Network Gateways

**Question 134**

Correct

Mark 1.00 out of 1.00

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You are tasked with deploying Azure virtual machines for your company.

You need to make use of the appropriate cloud deployment solution.

Solution: You should make use of Software as a Service (SaaS).

Does the solution meet the goal?

Select one:

- ☒ A. NO ✓
- ☐ B. YES

Your answer is correct.

Link – <https://azure.microsoft.com/en-us/resources/cloud-computing-dictionary/what-is-iaas/>

Software as a Service (SaaS) is a cloud deployment model that provides access to software applications hosted by a third-party provider over the internet. While SaaS solutions can provide benefits such as cost savings, scalability, and flexibility, they are not appropriate for deploying virtual machines.

For deploying virtual machines, the appropriate cloud deployment solution is Infrastructure as a Service (IaaS). IaaS provides access to virtualized computing resources such as virtual machines, storage, and networking over the internet. With IaaS, companies can deploy virtual machines in the cloud, which can help them reduce hardware costs, increase flexibility, and improve scalability.

Therefore, the solution of using Software as a Service (SaaS) does not meet the goal of deploying Azure virtual machines for the company. Instead, the appropriate cloud deployment solution is Infrastructure as a Service (IaaS).

The correct answer is: NO

**Question 135**

Correct

Mark 1.00 out of 1.00

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.

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?

Select one:

- ☒ A. YES ✓
- ☐ B. NO

Your answer is correct.

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>

The correct answer is: YES

**Question 136**

Correct

Mark 1.00 out of 1.00

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 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

Your answer is correct.

The command can be run from PowerShell or the command prompt if you have the Azure CLI installed.

Reference:

<https://docs.microsoft.com/en-us/cli/azure/install-azure-cli-windows?view=azure-cli-latest>

The correct answer is: Yes

**Question 137**

Correct

Mark 1.00 out of 1.00

To which cloud models can you deploy physical servers?

Select one or more:

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

Your answer is correct.

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

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.

The correct answer is: private cloud and hybrid cloud only

**Question 138**

Correct

Mark 3.00 out of 3.00

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

you can create a resource group inside of another resource group.

NO



An Azure virtual machine can be in multiple resource group.

NO



A resource group can contain resources from multiple Azure regions.

YES



Your answer is correct.

Link -<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/>

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.

The correct answer is:

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

you can create a resource group inside of another resource group.

[NO]

An Azure virtual machine can be in multiple resource group.

[NO]

A resource group can contain resources from multiple Azure regions.

[YES]

**Question 139**

Correct

Mark 1.00 out of 1.00

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

Select one:

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

Your answer is correct.

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>

The correct answer is: a subscription

**Question 140**

Correct

Mark 1.00 out of 1.00

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution. After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen. You have an Azure environment. You need to create a new Azure virtual machine from a tablet that runs the Android operating system. Solution: You use Bash in Azure Cloud Shell. Does this meet the goal?

- ☒ a. Yes ✓
- ☐ b. No

Your answer is correct.

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>

The correct answer is: Yes

**Question 141**

Correct

Mark 1.00 out of 1.00

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You are tasked with deploying a critical LOB application, which will be installed on a virtual machine, to Azure.

You are informed that the application deployment strategy should allow for a guaranteed availability of 99.99 percent. You need to make sure that the strategy requires as little virtual machines and availability zones as possible.

Solution: You include two virtual machines and two availability zones in your strategy.

Does the solution meet the goal?

Select one:

- ☐ A. NO
- ☒ B. YES ✓

Your answer is correct.

Link – <https://www.azure.cn/en-us/support/sla/virtual-machines/>  
<https://docs.microsoft.com/en-us/azure/availability-zones/az-overview>

Deploying two virtual machines across two availability zones is a suitable strategy for achieving a guaranteed availability of 99.99 percent with the least virtual machines and availability zones. Azure Availability Zones are physically separate datacenters within an Azure region, providing redundancy and high availability.

By deploying the application to two virtual machines, each in a different availability zone, you ensure that even if one availability zone experiences an issue, the application remains available in the other availability zone. This setup minimizes the risk of downtime and meets the specified availability requirement of 99.99 percent.

The correct answer is: YES



**Question 142**

Correct

Mark 4.00 out of 4.00

**DRAG DROP -**

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

Select and Place:

Azure Synapse Analytics	✓	provides a cloud based Enterprise Data Warehouse(EDW)
Azure Machine Learning Designer	✓	Uses past trainings to provide predictions to provide predictions that have high probability.
Azure Functions	✓	provides serverless computing functionalities
Azure IoT Hub	✓	processes data from millions of sensors

Your answer is correct.

**Box 1: 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 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.

Reference:

<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>

The correct answer is:

**DRAG DROP -**

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

Select and Place:

[Azure Synapse Analytics] provides a cloud based Enterprise Data Warehouse(EDW)

[Azure Machine Learning Designer] Uses past trainings to provide predictions to provide predictions that have high probability.

[Azure Functions] provides serverless computing functionaities

[Azure IoT Hub] processes data from millions of sensors

**Question 143**

Correct

Mark 1.00 out of 1.00

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

Autoscaling is an example of  ✓

Your answer is correct.

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

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

Reference:

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

<https://www.netreo.com/cloud-automation/what-is-azure-elasticity-as-a-service/>

The correct answer is:

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

Autoscaling is an example of [elasticity]

**Question 144**

Correct

Mark 1.00 out of 1.00

HOTSPOT -

Select the answer that correctly completes the sentence.

✓ support synchronization between on-premises storage and Azure storage.

Your answer is correct.

The correct answer is:

HOTSPOT -

Select the answer that correctly completes the sentence.

[Azure Files ]support synchronization between on-premises storage and Azure storage.

**Question 145**

Correct

Mark 3.00 out of 3.00

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

NOTE: Each correct selection is worth one point.

Hot Area:

Azure PowerShell modules can be installed on MacOS.  ✓Azure Cloud Shell can be accessed on a web browser on a Linux computer.  ✓Azure Portal can be only accessed from a Windows device.  ✓

Your answer is correct.

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>

The correct answer is:

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

NOTE: Each correct selection is worth one point.

Hot Area:

Azure PowerShell modules can be installed on MacOS. [Yes]

Azure Cloud Shell can be accessed on a web browser on a Linux computer. [Yes]

Azure Portal can be only accessed from a Windows device. [No]

**Question 146**

Correct

Mark 3.00 out of 3.00

- HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

A Single Microsoft account can be used to manage multiple Azure subscription. YES ✓

Two Azure subscription can be merged into a single subscription. NO ✓

A company can use resources for multiple subscription. YES ✓

Your answer is correct.

Box 1: Yes -

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

Box 2: No -

You cannot merge two subscriptions into a single subscription. However, you can move some Azure resources from one subscription to another. You can also transfer ownership of a subscription and change the billing type for a subscription.

Box 3: Yes -

A company can have multiple subscriptions and store resources in the different subscriptions. However, a resource instance can exist in only one subscription.

Reference:

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

The correct answer is:

- HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

A Single Microsoft account can be used to manage multiple Azure subscription.[YES]

Two Azure subscription can be merged into a single subscription.[NO]

A company can use resources for multiple subscription.[YES]

**Question 147**

Correct

Mark 1.00 out of 1.00

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution. After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have an Azure environment. You need to create a new Azure virtual machine from a tablet that runs the Android operating system.

Solution: You use the PowerApps portal.

Does this meet the goal?

- ☐ a. Yes
- ☒ b. No ✓

Your answer is correct.

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>

The correct answer is: No

**Question 148**

Correct

Mark 1.00 out of 1.00

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

Your company's Azure subscription includes a Basic support plan.

They would like to request an assessment of an Azure environment's design from Microsoft. This is, however, not supported by the existing plan.

You want to make sure that the company subscribes to a support plan that allows this functionality, while keeping expenses to a minimum.

Solution: You recommend that the company subscribes to the Professional Direct support plan.

Does the solution meet the goal?

Select one:

- ☒ A. YES ✓
- ☐ B. NO

Your answer is correct.

Link – <https://azure.microsoft.com/es-es/support/plans/prodirect/>

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

The correct answer is: YES

**Question 149**


Incorrect

Mark 0.00 out of 1.00

HOTSPOT -

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

Hot Area:

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

Your answer is incorrect.

Link - <https://learn.microsoft.com/en-us/azure/ddos-protection/ddos-protection-overview>

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.

The correct answer is:

HOTSPOT -

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

Hot Area:

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

**Question 150**

Partially correct

Mark 2.00 out of 3.00

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

A Platform as a Service (PaaS) solution that hosts web apps in azure provides full control of the operating system that host application

NO



A platform as a service(PaaS) solution that hosts web apps in azure provides professional development service to continuously add features to custom applications.

NO



A Platform as a service (PaaS) solution that hosts web apps in azure provides the ability to scale the platform automatically.

YES



Your answer is partially correct.

You have correctly selected 2.

Link –

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

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.

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.

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

The correct answer is: A Platform as a Service (PaaS) solution that hosts web apps in azure provides full control of the operating system that host application → NO, A platform as a service(PaaS) solution that hosts web apps in azure provides professional development service to continuously add features to custom applications. → YES, A Platform as a service (PaaS) solution that hosts web apps in azure provides the ability to scale the platform automatically. → YES

**Question 151**

Incorrect

Mark 0.00 out of 1.00

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

An Azure Region  

Your answer is incorrect.

Box: contains one or more data centers that are connected by using a low-latency network.

Each Azure region features datacenters deployed within a latency-defined perimeter. They're connected through a dedicated regional low-latency network. This design ensures that Azure services within any region offer the best possible performance and security.

Reference:

<https://docs.microsoft.com/en-us/azure/availability-zones/az-overview>

The correct answer is:

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

An Azure Region [Contains one or more data centers that are connected by using a low-latency network.]



**Question 152**

Incorrect

Mark 0.00 out of 1.00

Your company has virtual machines (VMs) hosted in Microsoft Azure. The VMs are located in a single Azure virtual network named VNet1. The company has users that work remotely. The remote workers require access to the VMs on VNet1. You need to provide access for the remote workers. What should you do?

Select one:

- ☐ A. Configure a Point-to-Site (P2S) VPN
- ☐ B. Configure a VNet-toVNet VPN
- ☒ C. Configure DirectAccess on a Windows Server 2012 server VM ❌
- ☐ D. Configure a Multi-Site VPN
- ☐ E. Configure a Site-to-Site (S2S) VPN

Your answer is incorrect.

Link – <https://learn.microsoft.com/en-us/azure/vpn-gateway/design#P2S>

A Point-to-Site (P2S) VPN gateway connection lets you create a secure connection to your virtual network from an individual client computer. A P2S connection is established by starting it from the client computer. This solution is useful for telecommuters who want to connect to Azure VNets from a remote location, such as from home or a conference. P2S VPN is also a useful solution to use instead of S2S VPN when you have only a few clients that need to connect to a VNet.

Point (employee) - to - Site (company)

The correct answer is: Configure a Point-to-Site (P2S) VPN

**Question 153**

Correct

Mark 1.00 out of 1.00

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

Azure Blob Storage is a 

Your answer is correct.

Azure Blob storage is mainly used for unstructured large files such as audio, video, images, backup files, etc

The correct answer is:

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

Azure Blob Storage is a [Storage service optimized for very large objects, such as video and bitmaps]

**Question 154**

Correct

Mark 3.00 out of 3.00

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution. After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have an Azure subscription named Subscription1. You sign in to the Azure portal and create a resource group named RG1.

From Azure documentation, you have the following command that creates a virtual machine named VM1. `az vm create --resource-group RG1 --name VM1 --image UbuntuLTS --generate-ssh-keys`

You need to create VM1 in Subscription1 by using the command.

Solution: From the Azure portal, launch Azure Cloud Shell and select Bash. Run the command in Cloud Shell.

Does this meet the goal?

- ☒ a. Yes ✓
- ☐ b. No

Your answer is correct.

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>

The correct answer is: Yes

**Question 155**

Correct

Mark 3.00 out of 3.00

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

An azure subscription can be associated to multiple Azure Active Directory (Azure AD) tenant.  ✓

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.  ✓

Your answer is correct.

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>.

The correct answer is:

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

An azure subscription can be associated to multiple Azure Active Directory (Azure AD) tenant. [NO]

You can change the Azure Active Directory(Azure AD tenant to which an Azure subscription is associated. [YES]

When an Azure subscription expires, the associated Azure Active Directory(Azure AD)tenant is deleted automatically. [NO]

**Question 156**

Correct

Mark 3.00 out of 3.00

**SELECT THE CORRECT OPTION-**

Instructions: To answer, select the appropriate cloud model from the drop down with its state right advantage. Each cloud model may be used once, more than once, or not at all.

NOTE: Each correct answer is worth one point

No required capital expenditure

- Public cloud ✓

Provides complete control over securities

- Private cloud ✓

Provide a choice to use on-premises or cloud-based resource

- Hybrid cloud ✓

Your answer is correct.

The correct answer is:

**SELECT THE CORRECT OPTION-**

Instructions: To answer, select the appropriate cloud model from the drop down with its state right advantage. Each cloud model may be used once, more than once, or not at all.

NOTE: Each correct answer is worth one point

No required capital expenditure

- [Public cloud]

Provides complete control over securities

- [Private cloud ]

Provide a choice to use on-premises or cloud-based resource

- [Hybrid cloud ]

**Question 157**

Correct

Mark 1.00 out of 1.00

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?

Select one:

- ☐ A. software as a service (SaaS)
- ☐ B. platform as a service (PaaS)
- ☒ C. infrastructure as a service (IaaS) ✓

Your answer is correct.

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

Link-

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

The correct answer is: infrastructure as a service (IaaS)

**Question 158**

Correct

Mark 2.00 out of 2.00

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.

Select one or more:

- ☒ A. Azure Kubernetes Service (AKS) ✓
- ☐ B. Azure virtual machines
- ☒ C. Azure Container Instances ✓
- ☐ D. Azure Virtual Desktop
- ☐ E. Azure Functions

Your answer is correct.

Run Docker containers on-demand in a managed, serverless Azure environment. Azure Container Instances is a solution for any scenario that can operate in isolated containers, without orchestration. Run event-driven applications, quickly deploy from your container development pipelines, and run data processing and build jobs.

You can manage containers at scale with a fully managed Kubernetes container management and orchestration service that integrates with Azure Active Directory.

Azure Kubernetes Service is a robust and cost-effective container orchestration service that helps you to deploy and manage containerized applications in seconds where additional resources are assigned automatically without the headache of managing additional servers.

Reference:

<https://docs.microsoft.com/en-us/azure/container-instances/>

<https://cloudacademy.com/blog/azure-kubernetes-service-aks-what-is-it-and-why-do-we-use-it>

The correct answers are: Azure Container Instances, Azure Kubernetes Service (AKS)

**Question 159**

Incorrect

Mark 0.00 out of 1.00

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.

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


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

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

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

Does this meet the goal?

Select one:

- ☒ A. YES 
- ☐ B. NO

Your answer is incorrect.

Link – <https://docs.microsoft.com/en-us/learn/modules/azure-networking-fundamentals/azure-virtual-network-fundamentals>

Azure Storage is a PaaS. Therefore, this solution does not meet the goal.

The correct answer is: NO

**Question 160**

Partially correct

Mark 2.00 out of 3.00

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

A company can expand an internal network by adding its physical servers to the public cloud.

YES



A public cloud must be disconnected from the internet.

NO



Part of a hybrid cloud is a public cloud.

YES



Your answer is partially correct.

You have correctly selected 2.

Link: <https://azure.microsoft.com/en-gb/overview/what-are-private-public-hybrid-clouds/>

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: No -

A private cloud exists in cyberspace and is accessed via the internet.

Box 3: Yes.

hybrid cloud = public cloud + private cloud

The correct answer is:

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

A company can expand an internal network by adding its physical servers to the public cloud. [NO]

A public cloud must be disconnected from the internet.

[NO]

Part of a hybrid cloud is a public cloud.

[YES]



**Question 161**

Correct

Mark 3.00 out of 3.00

Question 75-

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

Cloud computing provides elastic scalability.

YES ✓

Customer can minimize capital expenditure (CapEx) by using a public cloud.

YES ✓

Cloud computing leverages virtualization to provide service to multiple customer simultaneously.

YES ✓

Your answer is correct.

The correct answer is:

Question 75-

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

Cloud computing provides elastic scalability.

[YES]

Customer can minimize capital expenditure (CapEx) by using a public cloud.

[YES]

Cloud computing leverages virtualization to provide service to multiple customer simultaneously.[YES]

**Question 162**

Correct

Mark 1.00 out of 1.00

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

Your company has an Azure Active Directory (Azure AD) environment. Users occasionally connect to Azure AD via the Internet.

You have been tasked with making sure that users who connect to Azure AD via the internet from an unidentified IP address, are automatically encouraged to change passwords.

Solution: You configure the use of Azure AD Identity Protection.

Does the solution meet the goal?

Select one:

- ☒ A. YES ✓
- ☐ B. NO

Your answer is correct.

Link – <https://docs.microsoft.com/zh-tw/azure/active-directory/identity-protection/concept-identity-protection-policies>

Identity Protection identifies risks of many types,including:

Anonymous IP address use, Atypical travel, Malware linked IP address,Unfamiliar sign-in, properties Leaked credentials, Password spray

Anonymous IP address use

The risk signals can trigger remediation efforts such as requiring: perform multifactor authentication, reset their password using self-service password reset, or block access until an administrator takes action.

The correct answer is: YES

**Question 163**

Correct

Mark 1.00 out of 1.00

HOTSPOT -

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

Hot Area:

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

Select one:

- ☐ A. Defining scalability rules
- ☐ B. Installing the SaaS solution
- ☐ C. Configuring high availability
- ☒ D. Configuring a SaaS solution ✓

Your answer is correct.

Link-<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>

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.

The correct answer is: Configuring a SaaS solution

**Question 164**

Correct

Mark 1.00 out of 1.00

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

Is a highly secure IoT solution that includes a microcontroller unit (MCU) and a customized Linux operating system.

Azure Sphere



Your answer is correct.

Microsoft's Azure Sphere hardware and service designed to better secure Internet of Things (IoT) devices.

Azure Sphere consists of Microsoft-certified microcontrollers " single-chip computers with processors, storage, memory and IoT capabilities" plus the Azure

Sphere Linux-based OS and the Azure Sphere cloud security service.

Reference:

<https://www.zdnet.com/article/microsofts-azure-sphere-its-linux-based-microcontroller-plus-cloud-service-hits-general-availability/>

The correct answer is:

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

Is a highly secure IoT solution that includes a microcontroller unit (MCU) and a customized Linux operating system.[Azure Sphere]

**Question 165**

Correct

Mark 1.00 out of 1.00

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You are tasked with deploying Azure virtual machines for your company.

You need to make use of the appropriate cloud deployment solution.

Solution: You should make use of Platform as a Service (PaaS).

Does the solution meet the goal?

Select one:

- ☐ A. YES
- ☒ B. NO ✓

Your answer is correct.

Link – [Describe cloud service types - Training.](#) | [Microsoft Learn](#)

Platform as a Service (PaaS) is a cloud deployment model that provides a platform for building, testing, and deploying applications without the need to manage the underlying infrastructure. While PaaS solutions can provide benefits such as faster time-to-market and reduced development costs, they are not appropriate for deploying virtual machines.

For deploying virtual machines, the appropriate cloud deployment solution is Infrastructure as a Service (IaaS). IaaS provides access to virtualized computing resources such as virtual machines, storage, and networking over the internet. With IaaS, companies can deploy virtual machines in the cloud, which can help them reduce hardware costs, increase flexibility, and improve scalability.

Therefore, the solution of using Platform as a Service (PaaS) does not meet the goal of deploying Azure virtual machines for the company. Instead, the appropriate cloud deployment solution is Infrastructure as a Service (IaaS).

The correct answer is: NO

**Question 166**

Correct

Mark 1.00 out of 1.00

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

Azure site recovery provides  ✓ for virtual machine.

Your answer is correct.

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

Link-

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

The correct answer is:

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

Azure site recovery provides [disaster recovery] for virtual machine.

**Question 167**

Correct

Mark 1.00 out of 1.00

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.

You have an Azure environment. You need to create a new Azure virtual machine from a tablet that runs the Android operating system.

Solution: You use the Azure portal.

Does this meet the goal?

- ☒ a. Yes ✓
- ☐ b. No

Your answer is correct.

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>

The correct answer is: Yes

**Question 168**

Correct

Mark 4.00 out of 4.00

DRAG DROP -

Match the Azure service to the correct definition.

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

NOTE: Each correct selection is worth one point.

Select and Place:

Azure Application Insights	Detects and diagnoses anomalies in web apps	✓
Azure Databricks	A bigdata analysis service for machine learning	✓
Azure App Service	Hosts Web Apps	✓
Azure Functions	Provides the platform for serverless code	✓

Your answer is correct.

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 'MLlib'. MLlib 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>

The correct answer is: Azure Application Insights → Detects and diagnoses anomalies in web apps, Azure Databricks → A bigdata analysis service for machine learning, Azure App Service → Hosts Web Apps, Azure Functions → Provides the platform for serverless code

**Question 169**

Correct

Mark 3.00 out of 3.00

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

Azure Advisor can generate a list of 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 security recommendations provided by Azure Advisor within a period of 30 days.

 ✓

Your answer is correct.

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, your 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>

The correct answer is:

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

Azure Advisor can generate a list of Virtual Machines that are protected by Azure Backup [No].

If you implement the security recommendations provided by Azure Advisor, your company's secure score will decrease. [No]

To maintain Microsoft support, you must implement security recommendations provided by Azure Advisor within a period of 30 days. [No]



**Question 170**

Partially correct

Mark 2.00 out of 3.00

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

To implement a hybrid cloud, a company must have an internal network -  ✖

A company can extend the computing resources of its internal network by using a hybrid cloud -  ✔

In a public cloud model, only guest user at your company can access the resource in the cloud -  ✔

Your answer is partially correct.

You have correctly selected 2.

The correct answer is:

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

To implement a hybrid cloud, a company must have an internal network - [NO ]

A company can extend the computing resources of its internal network by using a hybrid cloud - [YES]

In a public cloud model, only guest user at your company can access the resource in the cloud - [NO ]

**Question 171**

Correct

Mark 1.00 out of 1.00

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?

Select one:

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

Your answer is correct.

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>

The correct answer is: Create a new support request

**Question 172**

Correct

Mark 1.00 out of 1.00

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

Your answer is correct.

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>

The correct answer is: Azure Advisor

**Question 173**

Correct

Mark 1.00 out of 1.00

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You are planning a strategy to deploy numerous web servers and database servers to Azure.

This strategy should allow for connection types between the web servers and database servers to be controlled.

Solution: You include a local network gateway in your strategy.

Does the solution meet the goal?

Select one:

- ☒ A. NO ✓
- ☐ B. YES

Your answer is correct.

Link – [Azure network security groups overview | Microsoft Learn](#)

A local network gateway in Azure is typically used when you want to establish a connection between your Azure virtual network and an on-premises network or another network outside of Azure. It's not directly related to controlling connection types between web servers and database servers within the same Azure virtual network.

To control the connection types between web servers and database servers in Azure, you would typically use Network Security Groups (NSGs), which allow you to define inbound and outbound traffic rules to control the flow of traffic between resources in a virtual network. You might also consider using Azure Firewall or Azure Application Gateway depending on your specific requirements.

So, including a local network gateway in your strategy is not the correct solution for controlling connections between web servers and database servers within Azure.

The correct answer is: NO

**Question 174**

Incorrect

Mark 0.00 out of 1.00

Your developers have created a portal web app for users in the Miami branch office. The web app will be publicly accessible and used by the Miami users to retrieve customer and product information. The web app is currently running in an on-premises test environment.

You plan to host the web app on Azure.

You need to determine which Azure web tier plan to host the web app. The web tier plan must meet the following requirements:

- ☞ The website will use the miami.veyland.com URL.
- ☞ The website will be deployed to two instances.
- ☞ SSL support must be included.
- ☞ The website requires 12 GB of storage.
- ☞ Costs must be minimized.

Which web tier plan should you use?

Select one:

- ☐ A. Free
- ☒ B. Basic ✖
- ☐ C. Shared
- ☐ D. Standard

Your answer is incorrect.

Link – [App Service Pricing](#) | [Microsoft Azure](#)

Free = 1 GB

Shared = 1 GB

Basic = 10 GB

Standard = 50 GB

Premium = 250 GB

Isolated = 1 TB

The correct answer is: Standard

**Question 175**

Correct

Mark 1.00 out of 1.00

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

Hot Area:

When you need to delegate permissions to several Azure virtual machine simultaneously, You must deploy the Azure virtual machines  
to the same resource group. ✓

Your answer is correct.

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>

The correct answer is:

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

Hot Area:

When you need to delegate permissions to several Azure virtual machine simultaneously, You must deploy the Azure virtual machines [to the same resource group.]

**Question 176**

Correct

Mark 1.00 out of 1.00

You need to purchase a third-party virtual security appliance that you will deploy to an Azure subscription. What should you use?

Select one:

- ☐ A. Azure Security Center
- ☐ B. Microsoft Store
- ☒ C. Azure Marketplace ✓
- ☐ D. Azure subscriptions

Your answer is correct.

Reference:

<https://docs.microsoft.com/en-us/azure/cost-management-billing/manage/ea-azure-marketplace>

The correct answer is: Azure Marketplace

**Question 177**

Correct

Mark 2.00 out of 2.00

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.

Select one or more:

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

Your answer is correct.

The correct answers are: multiple subscriptions, multiple resource groups

**Question 178**

Correct

Mark 1.00 out of 1.00

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?

Select one:

- ☐ A. public
- ☒ B. hybrid ✓
- ☐ C. private

Your answer is correct.

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

Hybrid cloud which is combination of both on-premises and Azure VMs.

The correct answer is: hybrid

**Question 179**

Correct

Mark 3.00 out of 3.00

DRAG DROP -

Match the Azure Services service to the correct description.

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

NOTE: Each correct selection is worth one point.

Select and Place:

A managed service that provides bidirectional communication between IoT device and Azure. IOT Hub ✓

A fully managed software as a service (SaaS) solution to connect, monitor, manage IoT device at scale. IOT Central ✓

A software and hardware solution that provides communication and security features for IoT device. Azure Sphere ✓

Your answer is correct.

Reference:

<https://docs.microsoft.com/en-us/azure-sphere/product-overview/what-is-azure-sphere>

<https://docs.microsoft.com/en-us/azure/iot-central/core/overview-iot-central>

<https://docs.microsoft.com/en-us/azure/iot-hub/about-iot-hub>

The correct answer is:

DRAG DROP -

Match the Azure Services service to the correct description.

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

NOTE: Each correct selection is worth one point.

Select and Place:

A managed service that provides bidirectional communication between IoT device and Azure.[IOT Hub]

A fully managed software as a service (SaaS) solution to connect, monitor, manage IoT device at scale.[IOT Central]

A software and hardware solution that provides communication and security features for IoT device.[Azure Sphere]

**Question 180**

Correct

Mark 4.00 out of 4.00

DRAG DROP -

Match the Azure services 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.

Select and Place

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

Your answer is correct.

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>

The correct answer is:

DRAG DROP -

Match the Azure services 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.

Select and Place

[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

**Question 181**

Correct

Mark 2.00 out of 2.00

HOTSPOT -

You have an Azure environment that contains 10 web apps. To which URL should you connect to manage all the Azure resources? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

portal.



azure.



com

Your answer is correct.

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/>

The correct answer is:

HOTSPOT -

You have an Azure environment that contains 10 web apps. To which URL should you connect to manage all the Azure resources? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

[portal.][azure.]com

**Question 182**

Correct

Mark 2.00 out of 2.00

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.

Select one or more:

- ☒ A. a gateway subnet ✓
- ☐ B. a load balancer
- ☐ C. a virtual network
- ☐ D. an application gateway
- ☒ E. a virtual network gateway ✓

Your answer is correct.

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 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>

The correct answers are: a virtual network gateway, a gateway subnet

**Question 183**

Correct

Mark 1.00 out of 1.00

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.

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

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

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

Solution: You create Azure virtual machines, Azure SQL databases, and Azure Storage accounts.

Does this meet the goal?

Select one:

- ☒ A. NO ✓
- ☐ B. YES

Your answer is correct.

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

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.

The correct answer is: NO

**Question 184**

Correct

Mark 1.00 out of 1.00

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

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

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

What should you create?

Select one or more:

- ☐ A. Azure virtual machines, Azure SQL databases, and Azure Storage accounts.
- ☐ B. Azure storage accounts and web server in Azure virtual machines.
- ☒ C. an Azure App Service and Azure SQL databases. ✓
- ☐ D. an Azure App Service and Azure virtual machines that have Microsoft SQL Server installed.

Your answer is correct.

Azure App Service and Azure SQL databases are examples of Azure PaaS solutions.

The correct answer is: an Azure App Service and Azure SQL databases.

**Question 185**

Correct

Mark 3.00 out of 3.00

Select the Azure service to the appropriate description.

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 answer is worth one point.

Select from the drop down:

A full managed data warehouse that has integral security at every level of scale at no extra cost. Azure Synapse Analytics ✓

A globally distributed database that support NoSQL. Azure Cosmos DB ✓

Managed Apache Hadoop clusters in the cloud that enable you to process massive amount of data. Azure HDInsight ✓

Your answer is correct.

azure synapse analytics = Warehouse Azure cosmos = even larger than the globe (global)

cosmos Azure HDInsight = HaDooP

Azure synapse analytics used to be called Azure SQL Data Warehouse

<https://azure.microsoft.com/en-us/blog/azure-sql-data-warehouse-is-now-azure-synapse-analytics/> Azure cosmos is the only database that supports NoSQL.

<https://www.sqlshack.com/learn-nosql-in-azure-an-overview-of-azure-cosmos-db/> Azure HDInsight

<https://docs.microsoft.com/en-us/azure/hdinsight/hdinsight-hadoop-provision-linux-clusters>

The correct answer is:

Select the Azure service to the appropriate description.

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 answer is worth one point.

Select from the drop down:

A full managed data warehouse that has integral security at every level of scale at no extra cost.[Azure Synapse Analytics]

A globally distributed database that support NoSQL.[Azure Cosmos DB]

Managed Apache Hadoop clusters in the cloud that enable you to process massive amount of data.[Azure HDInsight]

**Question 186**

Correct

Mark 1.00 out of 1.00

Your company has virtual machines (VMs) hosted in Microsoft Azure. The VMs are located in a single Azure virtual network named VNet1. The company has users that work remotely. The remote workers require access to the VMs on VNet1. You need to provide access for the remote workers. What should you do?

Select one:

- ☐ A. Configure a Multi-Site VPN
- ☐ B. Configure DirectAccess on a Windows Server 2012 server VM
- ☒ C. Configure a Point-to-Site (P2S) VPN ✓
- ☐ D. Configure a Site-to-Site (S2S) VPN
- ☐ E. Configure a VNet-toVNet VPN

Your answer is correct.

Link – <https://learn.microsoft.com/en-us/azure/vpn-gateway/design#P2S>

A Point-to-Site (P2S) VPN gateway connection lets you create a secure connection to your virtual network from an individual client computer. A P2S connection is established by starting it from the client computer. This solution is useful for telecommuters who want to connect to Azure VNets from a remote location, such as from home or a conference. P2S VPN is also a useful solution to use instead of S2S VPN when you have only a few clients that need to connect to a VNet.

Point (employee) - to - Site (company)

The correct answer is: Configure a Point-to-Site (P2S) VPN

**Question 187**

Correct

Mark 1.00 out of 1.00

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?

Select one:

- ☒ A. Infrastructure as a Service (IaaS) ✓
- ☐ B. Software as a Service (SaaS)
- ☐ C. Platform as a Service (PaaS)

Your answer is correct.

Link -

<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/>

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.

The correct answer is: Infrastructure as a Service (IaaS)

**Question 188**

Correct

Mark 1.00 out of 1.00

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

An Azure container instance is an example of an Azure  ✓

Your answer is correct.

The term compute refers to the hosting model for the computing resources that your application runs on. For Azure this include: Azure Container Instances. The fastest and simplest way to run a container in Azure, without having to provision any virtual machines and without having to adopt a higher-level service.

Note, and also the following:

Azure App Service. A managed service for hosting web apps, mobile app back ends, RESTful APIs, or automated business processes.

Azure Spring Cloud. A managed service designed and optimized for hosting Spring Boot apps.

Azure Kubernetes Service (AKS). A managed Kubernetes service for running containerized applications.

Azure Batch. A managed service for running large-scale parallel and high-performance computing (HPC) applications

Azure Functions. A managed FaaS service.

Azure Service Fabric. A distributed systems platform that can run in many environments, including Azure or on premises.

Azure Virtual machines. Deploy and manage VMs inside an Azure virtual network.

Azure Container Apps. Deploy and manage VMs inside an Azure virtual network.

Reference:

<https://docs.microsoft.com/en-us/azure/architecture/guide/technology-choices/compute-decision-tree>

The correct answer is:

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

An Azure container instance is an example of an Azure [Compute service.]

**Question 189**

Incorrect

Mark 0.00 out of 1.00

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

When you are implementing a software as a service(SaaS) solution, you are responsible for installing the SaaS solution 

Your answer is incorrect.

Box: configuring the Saas Solution

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

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

The correct answer is:

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

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



**Question 190**

Correct

Mark 1.00 out of 1.00

What is a feature of an Azure virtual network?

Select one:

- ☐ A. resource cost analysis
- ☒ B. isolation and segmentation ✓
- ☐ C. packet inspection
- ☐ D. geo-redundancy

Your answer is correct.

Implement network segmentation patterns on Azure.

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

The main reasons for segmentation are:

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

Isolation of resources.

Governance policies set by the organization.

Reference:

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

The correct answer is: isolation and segmentation

**Question 191**

Correct

Mark 3.00 out of 3.00

DRAG DROP -

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

Executes code: Azure Functions ✓

Is always stateful: Azure Functions ✓

Runs only in the cloud: Azure logic apps ✓

Azure Functions

Azure logic apps

Your answer is correct.

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>

The correct answer is:

DRAG DROP -

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

Executes code:[Azure Functions]

Is always stateful:[Azure Functions]

Runs only in the cloud:[Azure logic apps]

**Question 192**

Correct

Mark 1.00 out of 1.00

What does a customer provide in a software as a service (SaaS) model?

Select one:

- ☐ A. compute resources
- ☐ B. application software
- ☐ C. data storage
- ☒ D. application data ✓

Your answer is correct.

Link- <https://azure.microsoft.com/en-in/overview/what-is-saas/>

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.

The correct answer is: application data

**Question 193**

Correct

Mark 3.00 out of 3.00

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

1) You must have physical server to use cloud computing

NO



2) You must have internet connectivity to use cloud computing.

YES



3) The cost to increase cloud computing capacity is less than

the cost to increase the computing capacity of on-premises data center.

YES



Your answer is correct.

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

Box 1: No –

Virtual Machines works.

Box 2: Yes -

Simply put, cloud computing is the delivery of computing services "including servers, storage, databases, networking, software, analytics, and intelligence" over the Internet (the cloud) to offer faster innovation, flexible resources, and economies of scale.

Box 3: Yes

The correct answer is:

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

1) You must have physical server to use cloud computing

[NO ]

2) You must have internet connectivity to use cloud computing.

[YES]

3) The cost to increase cloud computing capacity is less than

the cost to increase the computing capacity of on-premises data center.

[YES]

**Question 194**

Correct

Mark 1.00 out of 1.00

What can you use to automatically send an alert if an administrator stops an Azure virtual machine?

- ☐ a. Azure Network Watcher
- ☐ b. Azure Advisor
- ☐ c. Azure Service Health
- ☒ d. Azure Monitor ✓

Your answer is correct.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-monitor/insights/vminsights-alerts>

The correct answer is: Azure Monitor

**Question 195**

Correct

Mark 1.00 out of 1.00

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

Your company's developers intend to deploy a large number of custom virtual machines on a weekly basis. They will also be removing these virtual machines during the same week it was deployed. Sixty percent of the virtual machines have Windows Server 2016 installed, while the other forty percent has Ubuntu Linux installed.

You are required to make sure that the administrative effort, needed for this process, is reduced by employing a suitable Azure service.

Solution: You recommend the use of Azure Reserved Virtual Machines (VM) Instances.

Does the solution meet the goal?

Select one:

- ☒ A. NO ✓
- ☐ B. YES

Your answer is correct.

Link – [Azure Reserved Virtual Machine Instances](#) | [Microsoft Azure](#)

[Describe Azure virtual machines - Training](#) | [Microsoft Learn](#)

Azure Reserved Virtual Machine (VM) Instances are not the most suitable solution for deploying and managing a large number of custom virtual machines on a weekly basis that are also removed during the same week. Reserved VM Instances are used to save costs by committing to a specific VM instance type for a one- or three-year term, which is not aligned with the short-term and frequent deployment and removal pattern described in your scenario.

To reduce administrative effort for your specific use case, you might consider using Azure DevTest Labs. Azure DevTest Labs allows you to quickly create environments in Azure while managing costs by setting up policies for resource usage. You can create a lab that aligns with your requirements, including Windows Server and Ubuntu Linux VMs, and allow your developers to deploy and remove VMs easily in a controlled environment.

Therefore, the solution of using Azure Reserved VM Instances does not meet the goal of reducing administrative effort for deploying and managing a large number of custom virtual machines on a weekly basis that are also removed within the same week.

The correct answer is: NO

**Question 196**

Correct

Mark 1.00 out of 1.00

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

Your company is planning to migrate all their virtual machines to an Azure pay-as-you-go subscription. The virtual machines are currently hosted on the Hyper-V hosts in a data center.

You are required make sure that the intended Azure solution uses the correct expenditure model.

Solution: You should recommend the use of the operational expenditure model.

Does the solution meet the goal?

Select one:

- ☒ A. YES ✓
- ☐ B. NO

Your answer is correct.

Link- <https://azure.microsoft.com/en-in/pricing/offers/ms-azr-0003p>

The term "operational expenditure (OpEx) model" aligns with the concept of a pay-as-you-go subscription in Azure. In an OpEx model, you pay for resources and services as you use them, typically on a recurring basis. This corresponds to the pay-as-you-go approach in Azure, where you pay for the resources you consume on an hourly or per-minute basis. This includes virtual machine usage, storage, networking, and other services. Therefore, recommending the use of the operational expenditure (OpEx) model is appropriate and meets the goal of migrating to an Azure pay-as-you-go subscription.

The correct answer is: YES

**Question 197**

Correct

Mark 2.00 out of 2.00

**Question 57-**

Your company has an on-premises network that contains multiple servers.

The company plans to reduce the following administrative responsibilities:

- ☐ 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 servers to Azure virtual machines.

You need to identify which administrative responsibilities will be eliminated after the planned migration.

Which two responsibilities should you identify? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

Select one or more:

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

Your answer is correct.

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:

- \* 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.
- \* 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.
- \* 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.

The correct answers are: Replacing failed server hardware, Managing physical server security



**Question 198**

Correct

Mark 1.00 out of 1.00

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. 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?

Select one:

- ☒ A. No ✓
- ☐ B. YES

Your answer is correct.

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>.

The correct answer is: No

**Question 199**

Correct

Mark 1.00 out of 1.00

Which service provides serverless computing in Azure?

- ☐ a. Azure Virtual Machines
- ☒ b. Azure Functions ✓
- ☐ c. Azure storage account
- ☐ d. Azure dedicated hosts

Your answer is correct.

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.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-functions/>

The correct answer is: Azure Functions

**Question 200**

Correct

Mark 1.00 out of 1.00

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?

Select one:

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

Your answer is correct.

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>

The correct answer is: a virtual network for FinServer and another virtual network for all the other servers

**Question 201**

Correct

Mark 1.00 out of 1.00

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

Select one:

- ☐ A. private
- ☐ B. hybrid
- ☒ C. public ✓

Your answer is correct.

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.

The correct answer is: public

**Question 202**

Correct

Mark 1.00 out of 1.00

HOTSPOT -

Select the answer that correctly completes the sentence.

A cloud service that supports a maximum of 20 instances is more  ✓ than a service that supports a maximum of five instance.

Your answer is correct.

The correct answer is:

HOTSPOT -

Select the answer that correctly completes the sentence.

A cloud service that supports a maximum of 20 instances is more [Scalable]than a service that supports a maximum of five instance.

**Question 203**

Correct

Mark 3.00 out of 3.00

HOTSPOT -

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

Hot Area

✓ Can calculate cost of savings due to reduced electricity consumption as a result of migrating on-premises Microsoft SQL server to Azure.

Your answer is correct.

Reference:

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

The correct answer is:

HOTSPOT -

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

Hot Area

[The Azure total cost of ownership (TCO)calculator]Can calculate cost of savings due to reduced electricity consumption as a result of migrating on-premises Microsoft SQL server to Azure.

**Question 204**

Incorrect

Mark 0.00 out of 1.00

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

✗ enables Azure resources to be deployed close to users.

Your answer is incorrect.

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

Reference:

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

The correct answer is:

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

[Geo-distribution]enables Azure resources to be deployed close to users.

**Question 205**

Correct

Mark 1.00 out of 1.00

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. Azure Service Bus
- ☐ b. a local network gateway
- ☒ c. network security groups (NSGs) ✓
- ☐ d. a route filter

Your answer is correct.

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>

The correct answer is: network security groups (NSGs)

**Question 206**

Correct

Mark 1.00 out of 1.00

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. Network and Sharing Center
- ☒ b. Command Prompt ✓
- ☐ c. Windows Defender Firewall
- ☐ d. Azure Resource Explorer
- ☒ e. Windows PowerShell ✓

Your answer is correct.

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>

The correct answers are: Command Prompt, Windows PowerShell

**Question 207**

Correct

Mark 1.00 out of 1.00

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

Your answer is correct.

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>

The correct answer is: Yes

**Question 208**

Correct

Mark 1.00 out of 1.00

HOTSPOT -

Select the answer that correctly completes the sentence.

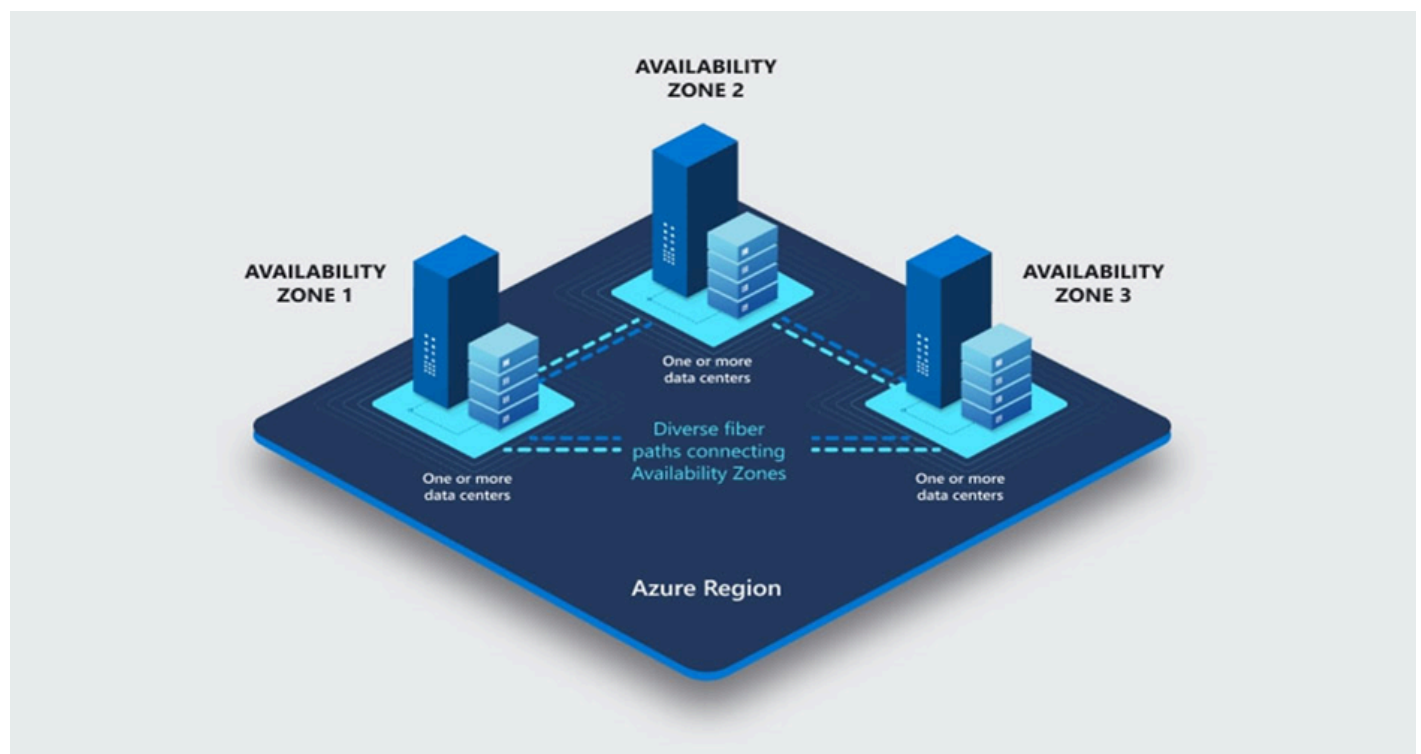
Hot Area:

An Availability zone in Azure has physical separate locations. Within a single Azure region ✓

Your answer is correct.

Box: within a single Azure region

Azure availability zones are physically separate locations within each Azure region that are tolerant to local failures.



Reference:

<https://docs.microsoft.com/en-us/azure/availability-zones/az-overview>

The correct answer is:

HOTSPOT -

Select the answer that correctly completes the sentence.

Hot Area:

An Availability zone in Azure has physical separate locations.[Within a single Azure region]

**Question 209**

Correct

Mark 1.00 out of 1.00

## Question #101

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.

Select one:

- ☒ A. Azure policies ✓
- ☐ B. Azure App Service plans
- ☐ C. No change is needed
- ☐ D. Management groups

Your answer is correct.

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>

The correct answer is: Azure policies

**Question 210**

Correct

Mark 3.00 out of 3.00

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

All the Azure resources deployed to a resource to a resources group must use 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 assign permission for a user to manage a resource group the user can manage all the Azure resources in the resource group.

✓

Your answer is correct.

Box 1: No -

Azure resources deployed to a single resource group can be located in different regions. The resource group only contains metadata about the resources it contains.

When creating a resource group, you need to provide a location for that resource group. You may be wondering, "Why does a resource group need a location?"

And, if the resources can have different locations than the resource group, why does the resource group location matter at all?" The resource group stores metadata about the resources. When you specify a location for the resource group, you're specifying where that metadata is stored. For compliance reasons, you may need to ensure that your data is stored in a particular region.

Box 2: No -

Tags for Resources are not inherited by default from their Resource Group

Box 3: Yes -

A resource group can be used to scope access control for administrative actions. By default, permissions set at the resource level are inherited by the resources in the resource group.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-group-overview>

The correct answer is:

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

All the Azure resources deployed to a resource to a resources group must use the same Azure region.[NO]

If you assign a tag to a resource group, all the Azure resources in that resource group are assigned to the same tag.[NO]

If you assign permission for a user to manage a resource group the user can manage all the Azure resources in the resource group.[YES]



**Question 211**

Correct

Mark 3.00 out of 3.00

DRAG DROP -

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, more than once, or not at all.

NOTE: Each correct match is worth one point.

Select and Place:

Platform as a service (PaaS)	✓ Azure App Service
Infrastructure as a service (IaaS)	✓ Azure Virtual machine
Software as a service (SaaS)	✓ Microsoft Dynamics365

Platform as a service (PaaS)	Infrastructure as a service (IaaS)	Software as a service (SaaS)
------------------------------	------------------------------------	------------------------------

Your answer is correct.

Box 1: Platform as a service (PaaS)

Azure App Service is a fully managed platform for building web applications.

Platform as a service (PaaS) is a complete development and deployment environment in the cloud, with resources that enable you to deliver everything from simple cloud-based apps to sophisticated, cloud-enabled enterprise applications.

Box 2: Infrastructure as a service (IaaS)

Windows Azure Virtual Machines, an Infrastructure-as-a-Service (IaaS) offering in Windows Azure, was released back in 2012.

Box 3: Software as a service (SaaS)

Dynamics 365 is a set of interconnected, modular Software-as-a-Service (SaaS) applications and services designed to both transform and enable your core customers, employees, and business activities.

Reference:

<https://azure.microsoft.com/en-us/overview/what-is-paas/><https://azure.microsoft.com/en-us/blog/infrastructure-as-a-service-series-virtual-machines-and-windows/> <https://pipol.com/what-is-microsoft-dynamics-365>

The correct answer is:

DRAG DROP -

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, more than once, or not at all.

NOTE: Each correct match is worth one point.

Select and Place:

[Platform as a service (PaaS)]	Azure App Service
[Infrastructure as a service (IaaS)]	Azure Virtual machine
[Software as a service (SaaS)]	Microsoft Dynamics365

**Question 212**

Incorrect

Mark 0.00 out of 1.00

HOTSPOT -

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

Hot Area:

You can access Compliance Manager from the   .

Your answer is incorrect.

The correct answer is:

HOTSPOT -

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

Hot Area:

You can access Compliance Manager from the [Azure Portal].

**Question 213**

Correct

Mark 3.00 out of 3.00


HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

To use Azure Active Directory (Azure AD) credentials to sign in to a computer runs Windows 10,the computer must be joined to Azure AD.

 Users in Azure Active Directory (Azure AD) are organized by using resource groups.  Azure Active Directory (Azure AD) group support dynamic membership rules.  

Your answer is correct.

Reference:

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

The correct answer is:

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

To use Azure Active Directory (Azure AD) credentials to sign in to a computer runs Windows 10,the computer must be joined to Azure AD.[YES]

Users in Azure Active Directory (Azure AD) are organized by using resource groups.[NO]

Azure Active Directory (Azure AD) group support dynamic membership rules.[YES]

**Question 214**

Partially correct

Mark 2.00 out of 3.00

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

With software as a service(SaaS),you must apply software updates.

NO



With infrastructure as a service(IaaS),you must install the software that you want to use.

YES



Azure backup is an example of platform as a service(PaaS)

NO



Your answer is partially correct.

You have correctly selected 2.

Link-

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

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

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

The correct answer is:

HOTSPOT -

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

NOTE: Each correct selection is worth one point.

Hot Area:

With software as a service(SaaS),you must apply software updates.

[NO]

With infrastructure as a service(IaaS),you must install the software that you want to use.

[YES]

Azure backup is an example of platform as a service(PaaS)

[YES]

**Question 215**

Correct

Mark 1.00 out of 1.00

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?

Select one:

- ☐ A. YES
- ☒ B. NO ✓

Your answer is correct.

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>

The correct answer is: NO