

AZ-900^{Q&As}

Microsoft Azure Fundamentals

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QUESTION 1

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

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

Correct Answer: BC

QUESTION 2

A company uses Microsoft 365.

Employees frequently work from home. They must be able to access custom applications that are not installed on their personal laptops.

You need to identify a solution that meets the requirement.

Which solution should you choose?

- A. Microsoft Access
- B. Power Virtual Agent
- C. Microsoft Remote Assist
- D. Windows Virtual Desktop
- E. Microsoft Teams

Correct Answer: D

QUESTION 3

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

- A. Microsoft provides mainstream support for a service for ve years.
- B. Microsoft provides a minimum of 12 months TM notice before ending support for a service.
- C. After a service is made generally available, Microsoft provides support for the service for a minimum of four years.

D. When a service is retired, you can purchase extended support for the service for up to ve years.

Correct Answer: B

For products governed by the Modern Lifecycle Policy, Microsoft will provide a minimum of 12 months\' notification prior to ending support if no successor product or service is offered " excluding free services or preview releases.

Reference: <https://support.microsoft.com/en-us/help/30881/modern-lifecycle-policy>

QUESTION 4

In the software as a service (SaaS) cloud service, which responsibility is shared between Microsoft and the customer?

- A. identity and directory infrastructure management
- B. application management
- C. information and data management
- D. operating system updates

Correct Answer: A

Shared responsibility in the cloud

Division of responsibility In an on-premises datacenter, you own the whole stack. As you move to the cloud some responsibilities transfer to Microsoft. The following diagram illustrates the areas of responsibility between you and Microsoft, according to the type of deployment of your stack.

Note: As you consider and evaluate public cloud services, it\'s critical to understand the shared responsibility model and which security tasks the cloud provider handles and which tasks you handle. The workload responsibilities vary depending on whether the workload is hosted on Software as a Service (SaaS), Platform as a Service (PaaS), Infrastructure as a Service (IaaS), or in an on-premises datacenter.

Reference: <https://learn.microsoft.com/en-us/azure/security/fundamentals/shared-responsibility>

QUESTION 5

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

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

Correct Answer: C

Microsoft Azure, Amazon Web Services and Google Cloud are three examples of public cloud services.

Microsoft, Amazon and Google own the hardware. The tenants are the customers who use the public cloud services.

QUESTION 6

What enables a cloud service to adapt quickly to changing requirements?

- A. high availability
- B. predictability
- C. manageability
- D. agility

Correct Answer: D

Agility is the ability to react quickly.

In the cloud, it takes a minute or two to create a Virtual Machine that is up and running. On the other hand, it takes days or weeks when we submit a request to purchase a physical server and by when it gets delivered.

Agility enables users to be able to allocate and deallocate resources very quickly, and that is a huge benefit of the cloud.

Reference:

<https://coderjony.com/blogs/cloud-computing-concepts-high-availability-scalability-elasticity-agility-fault-tolerance-and-disaster-recovery>

QUESTION 7

HOTSPOT

Select the answer that correctly completes the sentence.

Hot Area:

Premium block blobs storage accounts only support

geo-redundant storage (GRS)
geo-zone-redundant storage (GZRS)
locally-redundant storage (LRS)
zone-redundant storage (ZRS)

 redundancy.

Correct Answer:



QUESTION 8

DRAG DROP

You are the Microsoft 365 administrator for a company. The company plans to upgrade client operating systems to Windows 10.

You need to explain the concepts of Windows as a Service (WaaS) to the management team.

Match each term to its definition. To answer, drag the appropriate terms from the column on the left to its definitions on the right. Each term may be used once, more than once, or not at all.

NOTE: Each correct selection is worth one point.

Select and Place:

Terms	Definition	Term
Windows Insider previews	Early builds that are released to the public during the feature-development phase	<input type="text"/>
Servicing channels	A method for controlling the frequency at which organizations deploy Windows 10 features	<input type="text"/>
Deployment rings	A method of gradually deploying Windows 10 features by using multiple sets of targeted devices	<input type="text"/>

Correct Answer:

Terms	Definition	Term
	Early builds that are released to the public during the feature-development phase	Windows Insider previews
	A method for controlling the frequency at which organizations deploy Windows 10 features	Servicing channels
	A method of gradually deploying Windows 10 features by using multiple sets of targeted devices	Deployment rings

Reference: <https://docs.microsoft.com/en-us/windows/deployment/update/waas-overview> <https://docs.microsoft.com/en-us/windows/deployment/update/waas-deployment-rings-windows-10-updates>

QUESTION 9

DRAG DROP

A company plan to deploy Microsoft 365 services.

You need to choose the appropriate cloud service for each requirement.

Which cloud service should you choose for each requirement? To answer, drag the appropriate cloud services to the correct requirements. Each cloud service may be used once, more than once, or not at all. You may need to drag the split

bar between panes or scroll to view content.

NOTE: Each correct match is worth one point.

Select and Place:

Cloud services	Requirement	Cloud service
Exchange Online	Users must be able to chat, host meetings, and make calls with internal and external users.	Cloud service
Microsoft Teams		Cloud service
Yammer	Users must be able to create posts, tag people and communities, and use social tagging.	Cloud service
Microsoft Stream		Cloud service

Correct Answer:

Cloud services

Exchange Online

Microsoft Stream

Answer Area

Requirement

Users must be able to chat, host meetings, and make calls with internal and external users.

Users must be able to create posts, tag people and communities, and use social tagging.

Cloud service

Microsoft Teams

Yammer

QUESTION 10

A company has offices in multiple regions. The company has a Microsoft 365 subscription.

The company is developing a line-of-business (LOB) app. The app must meet the following requirements.

1.
 - Ensure availability regardless of an employee
 2.
 - TMs location.
 3.
 - Track the devices on which the app is installed by using Microsoft cloud services.
 4.
 - Minimize costs. What should you do?
- A. Copy the app to Microsoft OneDrive. Allow employees to download and install the app from One Drive.
 - B. Deploy the app to all devices by using Microsoft Intune.
 - C. Copy the app to local servers. Allow employees to download and install the app from the servers.
 - D. Deploy the app to all devices by using group policy.

Correct Answer: B

Reference: <https://docs.microsoft.com/en-us/mem/intune/apps/apps-windows-10-app-deploy>
<https://docs.microsoft.com/en-us/mem/intune/apps/apps-monitor>

QUESTION 11

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:

Statements	Yes	No
An Azure subscription can have multiple account administrators	<input type="radio"/>	<input type="radio"/>
An Azure subscription can be managed by using a Microsoft account only	<input type="radio"/>	<input type="radio"/>
An Azure resource group can contain multiple Azure subscriptions	<input type="radio"/>	<input type="radio"/>

Correct Answer:

Statements	Yes	No
An Azure subscription can have multiple account administrators	<input type="radio"/>	<input checked="" type="radio"/>
An Azure subscription can be managed by using a Microsoft account only	<input checked="" type="radio"/>	<input type="radio"/>
An Azure resource group can contain multiple Azure subscriptions	<input type="radio"/>	<input checked="" type="radio"/>

QUESTION 12

DRAG DROP Match the Azure services benefits to the correct descriptions.

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

Select and Place:

Answer Options	Answer Area	
Disaster recovery	A cloud service that remains available after a failure occurs	<input type="text"/>
Fault tolerance	A cloud service that can be recovered after a failure occurs	<input type="text"/>
Low latency	A cloud service that performs quickly when demand increases	<input type="text"/>
Dynamic scalability	A cloud service that can be accessed quickly from the Internet.	<input type="text"/>

Correct Answer:

Answer Options	Answer Area	
<input type="text"/>	A cloud service that remains available after a failure occurs	Fault tolerance
<input type="text"/>	A cloud service that can be recovered after a failure occurs	Disaster recovery
<input type="text"/>	A cloud service that performs quickly when demand increases	Dynamic scalability
<input type="text"/>	A cloud service that can be accessed quickly from the Internet.	Low latency

Explanation:

Box 1:

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

Box 2:

Disaster recovery is the recovery of a service after a failure. For example, restoring a virtual machine from backup after a virtual machine failure.

Box 3:

Dynamic scalability is the ability for compute resources to be added to a service when the service is under heavy load. For example, in a virtual machine scale set, additional instances of the virtual machine are added when the existing virtual

machines are under heavy load.

Box 4:

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

References:

<https://msdn.microsoft.com/en-us/magazine/mt422582.aspx>

<https://searchdisasterrecovery.techtarget.com/definition/cloud-disaster-recovery-cloud-DR>

<http://www.siasmsp.com/the-benefit-of-scalability-in-cloud-computing-2/>

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

QUESTION 13

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:

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

Correct Answer:

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

Box 1: No

The price of Azure storage varies by region. If you use the Azure storage pricing page, you can select different regions and see how the price changes per region.

Box 2: No

You are charged for read and write operations in general-purpose v2 storage accounts.

Box 3: No

You would be charge for the read operations of the source storage account and write operations in the destination storage account.

References:

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

<https://azure.microsoft.com/en-gb/pricing/details/storage/blobs/>

QUESTION 14

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:

Services

Azure Functions

Azure App Service

Azure virtual machines

Azure Container Instances

Answer Area

Provide operating system virtualization

Provide portable environment for virtualized applications

Used to build, deploy, and scale web apps

Provide a platform for serverless code

Correct Answer:

Services

Answer Area

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

Explanation:

Box 1:

Azure virtual machines provide operation system virtualization.

Azure Virtual Machines (VM) is one of several types of on-demand, scalable computing resources that Azure offers. Typically, you choose a VM when you need more control over the computing environment than the other choices offer.

Box 2:

Azure Container Instances provide portable environments for virtualized applications.

Containers are becoming the preferred way to package, deploy, and manage cloud applications. Azure Container Instances offers the fastest and simplest way to run a container in Azure, without having to manage any virtual machines and

without having to adopt a higher-level service.

Containers offer significant startup benefits over virtual machines (VMs). Azure Container Instances can start containers in Azure in seconds, without the need to provision and manage VMs.

Box 3:

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

Azure App Service is a platform-as-a-service (PaaS) offering that lets you create web and mobile apps for any platform or device and connect to data anywhere, in the cloud or on-premises. App Service includes the web and mobile capabilities that were previously delivered separately as Azure Websites and Azure Mobile Services.

Box 4:

Azure Functions provide a platform for serverless code.

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

References:

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

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

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

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

QUESTION 15

You plan to map a network drive from several computers that run Windows 10 to Azure Storage. You need to create a storage solution in Azure for the planned mapped drive. What should you create?

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

Correct Answer: C

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

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

Unlike other SMB shares you may have interacted with, such as those hosted on a Windows Server, Linux Samba server, or NAS device, Azure file shares do not currently support Kerberos authentication with your Active Directory (AD) or Azure Active Directory (AAD) identity, although this is a feature we are working on. Instead, you must access your Azure file share with the storage account key for the storage account containing your Azure file share. A storage account key is an administrator key for a storage account, including administrator permissions to all files and folders within the file share you're accessing, and for all file shares and other storage resources (blobs, queues, tables, etc) contained within your storage account.

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

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