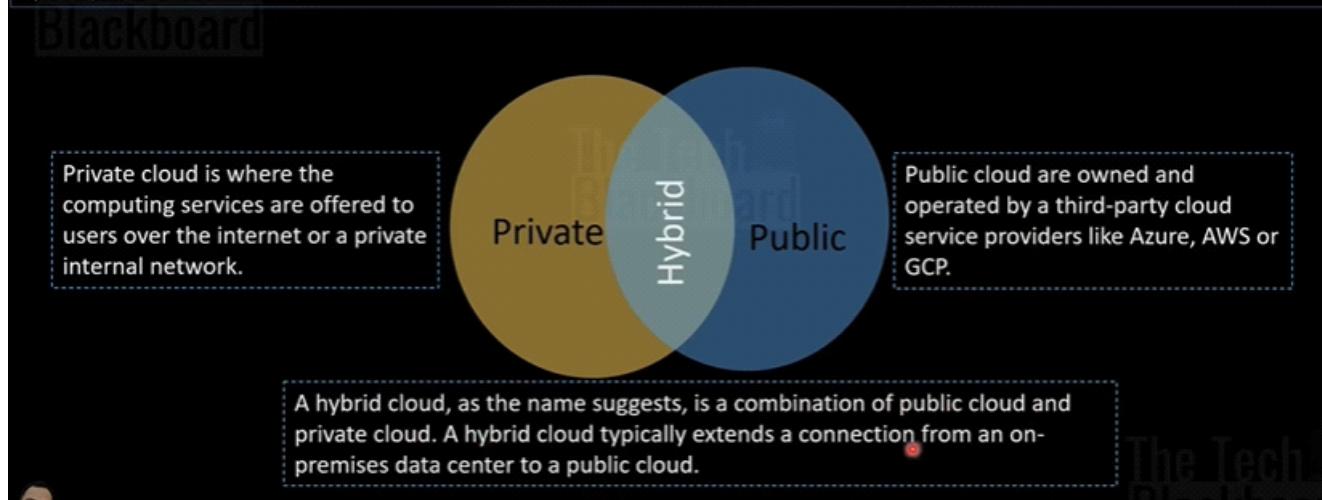


Questions and Answers

Thursday, March 21, 2024 3:19 PM

Q1: Which of the following is a correct statement?

- a) Private Cloud = Public Cloud + Hybrid Cloud
- b) Public Cloud = Hybrid Cloud + Private Cloud
- c) Hybrid Cloud = Private Cloud + Public Cloud



Q2: Which of the following describes a benefit of cloud services?

- a) Economies of scale
- b) Fixed workloads
- c) Unpredictable costs

Economies of scale is the ability to do things more cheaply and more efficiently when operating at a larger scale in comparison to operating at a smaller scale.

Q3: When you implement a SaaS (Software as a Service) solution, you are responsible for?

- a) Installing patches on Operating Systems
- b) Configure High Availability
- c) Configuring the SaaS solution
- d) Install SaaS solution

Q4: Which of the following refers to spending money upfront and then deducting that expense over time?

- a) Capital expenditure
- b) Operational expenditure
- c) Supply and demand

Exam Tip

Capital expenditure = CapEx

Operational/Operating expenditure = OpEx

Q5: From the choices below, what is one of the advantages of moving your infrastructure to Azure?

- a) The move reduces Capital Expenditures. (CapEx)
- b) The move reduces Operational Expenses (OpEx)
- c) The move allows for complete control of infrastructure resources

Q6: Datacenter infrastructure, Server cost, storage cost, network cost, backup & archive cost, business continuity and disaster recovery cost, technical personal cost are example of which type?

- a) Capital expenditure (CapEx)
- b) Operational expenditure (OpEx)

Q7: Capital Expenditure is the up-front spending of money on physical infrastructure, and then deducting that up-front expense over time.

True False

Q8: Operational Expenditure is spending money on services or products now and being billed for them now.

True False

Q9: Azure Reserved VM Instances are example of the CapEx pricing model.

True False

Q11: Which cloud model provides the greatest degree of ownership and control?

- a) Hybrid Cloud
- b) Private Cloud
- c) Public Cloud



All services and infrastructure are owned by single company or enterprise.

Q12: Which cloud model provides the greatest degree of flexibility?

- a) Hybrid Cloud
- b) Private Cloud
- c) Public Cloud

Q13: Which of the following describes a public cloud?

- a) Is owned and operated by the organization that uses the resources from that cloud.
- b) Let organizations run applications in the cloud or on-premises.
- c) Provides resources and services to multiple organizations and users, who connect through a secure network connection.

Q14: You have legacy applications that require specialized mainframe hardware, and you have newer shared applications. Which cloud deployment model would be best for you?

- a) Hybrid Cloud
- b) Private Cloud
- c) Public Cloud

Shared application can run on Public cloud

Specialized applications are more suited for private cloud as they need specific infrastructure, that might not be available on public cloud.

Q15: Microsoft Office 365 is an example of?

- a) Infrastructure as a Service (IaaS)
- b) Platform as a Service (PaaS)
- c) Software as a Service (SaaS)

Q16: Which of the following describes Platform as a Service (PaaS)?

- a) Users are responsible for purchasing, installing, configuring, and managing their own software (operating systems, middleware, and applications).
- b) Users create and deploy applications quickly without having to worry about managing the underlying infrastructure.
- c) Users pay an annual or monthly subscription.

Q17: Which of the following requires the most user management of the cloud services?

- a) Infrastructure as a Service (IaaS)
- b) Platform as a Service (PaaS)
- c) Software as a Service (SaaS)

Q18: You're developing an application and want to focus on building, testing, and deploying. You don't want to worry about managing the underlying hardware or software. Which cloud service type is best for you?

- a) Infrastructure as a Service (IaaS)
- b) Platform as a Service (PaaS)**
- c) Software as a Service (SaaS)

Q19: In which type of cloud model are all the hardware resources owned by a third-party and shared between multiple tenants?

- a) Hybrid Cloud
- b) Private Cloud
- c) Public Cloud**

Azure

AWS

GCP

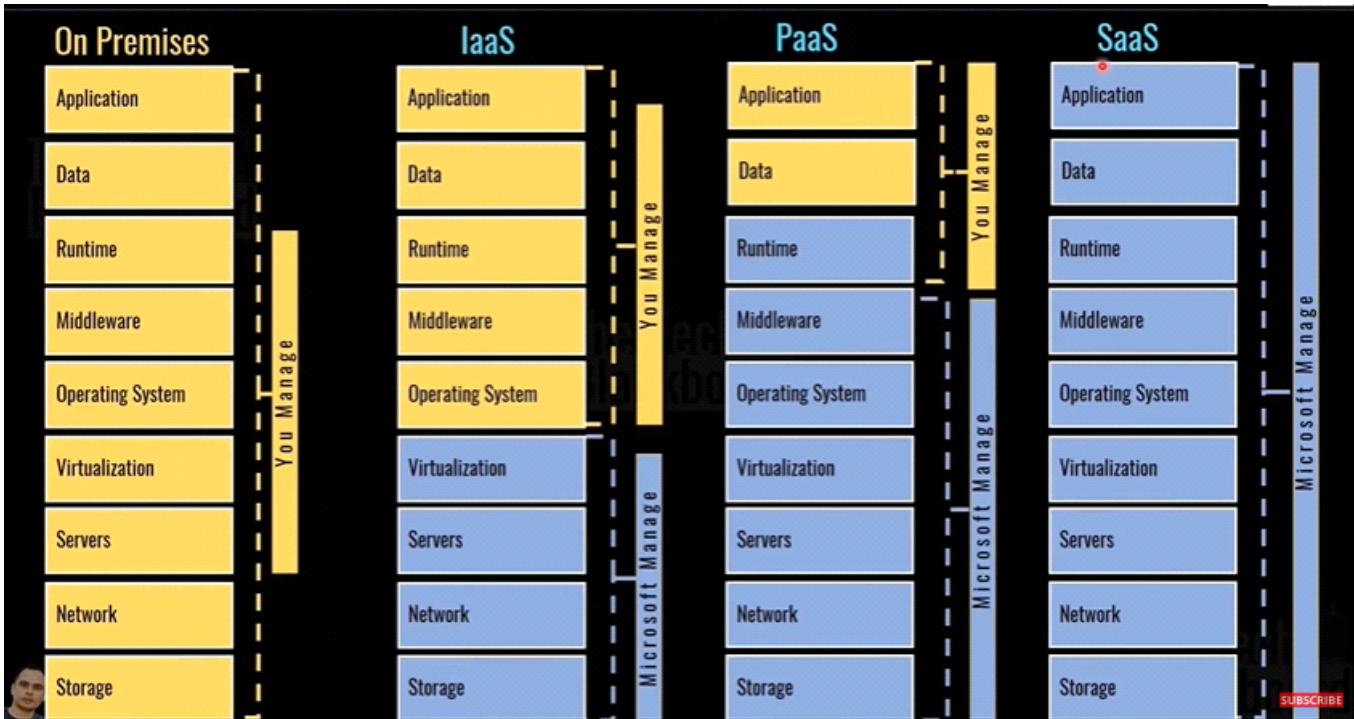
Q20: You are running a VM in Azure Cloud. Which model reflects how the resource is managed?

- a) User responsibility model
- b) Azure responsibility model
- c) Shared responsibility model**

IaaS

PaaS

SaaS



Q21: 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?

Yes

No

The Tech

Q22: 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?

Yes

No

The Tech

Q23: 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?

Yes

No

The Tech

Q24: 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: You use Bash in Azure Cloud Shell. Does this meet the goal?

Yes

No

The Tech

Q25: 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: You use a computer that runs Windows 10 and has the Azure PowerShell module installed. Does this meet the goal?

Yes

No

The Tech

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?

Run the script from a computer that runs Linux and has the Azure CLI tools installed.	False	With Azure CLI you don't execute PowerShell script
Run the script from a computer that runs Chrome OS and uses Azure Cloud Shell.	True	From a browser you can connect to Azure Portal and execute Azure PowerShell cmdlet
Run the script from a computer that runs macOS and has PowerShell Core 6.0 installed.	False	You need Azure PowerShell Module, PowerShell core 6.0 only isn't enough
You use Bash in Azure Cloud Shell.	True	Azure Cloud Shell can be used for Bash or PowerShell, either Android Phone or Laptop
You use a computer that runs Windows 10 and has the Azure PowerShell module installed.	True	You have PowerShell and the module to create Azure resources

Q26: Your company hosts an accounting application named App1 that is used by all the customers of the company. App1 has low usage during the first three weeks of each month and very high usage during the last week of each month. Which benefit of Azure Cloud Services supports cost management for this type of usage pattern?

- a) high availability
- b) high latency
- c) elasticity
- d) load balancing

Q27: You plan to deploy several Azure virtual machines. You need to control the ports that devices on the Internet can use to access the virtual machines. What should you use?

- a) a network security group (NSG)
- b) an Azure Active Directory (Azure AD)
- c) Network gateway
- d) an Azure key vault

- **NSG:** You can use an Azure network security group to filter network traffic between Azure resources in an Azure virtual network.
- **Azure AD:** Azure Active Directory (Azure AD) is a cloud-based identity and access management service. This service helps your employees access external resources, such as Microsoft 365, the Azure portal, and thousands of other SaaS applications.
- **Azure Network gateway:** Azure VPN Gateway connects your on-premises networks to Azure through Site-to-Site VPNs in a similar way that you set up and connect to a remote branch office.
- **Azure Key Vault:** Azure Key Vault is a cloud service that provides a secure store for secrets. You can securely store keys, passwords, certificates, and other secrets.

Q28: Your Azure environment contains multiple Azure virtual machines. You need to ensure that a virtual machine named VM1 is accessible from the Internet over HTTP.

Solution: You modify a network security group (NSG). Does this meet the goal?

Yes

No

Q29: Your Azure environment contains multiple Azure virtual machines. You need to ensure that a virtual machine named VM1 is accessible from the Internet over HTTP.

Solution: You modify a DDoS protection plan. Does this meet the goal?

Yes

No

Q30: Your Azure environment contains multiple Azure virtual machines. You need to ensure that a virtual machine named VM1 is accessible from the Internet over HTTP.

Solution: You modify an Azure firewall. Does this meet the goal?

Yes

No

Q31: 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?

Yes

No

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.

You modify a network security group (NSG)	True	Use NSG 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.
You modify a DDoS protection plan.	False	DDoS is a form of attack on a network resource. DDoS protection plan is used to protect against DDoS attacks. It has nothing to with accessibility of Virtual machine over HTTP .
You modify an Azure firewall.	False	Azure Firewall is a cloud-native and intelligent network firewall security service that provides the best of breed threat protection for your cloud workloads running in Azure.
You modify an Azure Traffic Manager profile.	False	Azure Traffic Manager is a DNS-based load balancing solution .

Q32: An organization that hosts its infrastructure in a private cloud can close its data center.

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

- a) No change is needed.
- b) in a hybrid cloud
- c) in the public cloud
- d) on a Hyper-V host

A private cloud is hosted in your datacenter. Therefore, you cannot close your datacenter if you are using a private cloud.

A public cloud is hosted externally, for example, in Microsoft Azure. An organization that hosts its infrastructure in a public cloud can close its data center.

Q33: What are two characteristics of the public cloud? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

- a) dedicated hardware
- b) unsecured connections
- c) limited storage
- d) metered pricing
- e) self-service management



Resources in Azure can be created using:

Azure Portal
JSON
Cloud Shell
PowerShell
Bash

Q34: You can create Group Policies in Azure Active Directory (Azure AD).

True

False

Group policies are part of Azure Active Domain Services and not Azure ACTIVE DIRECTORY

Q35: You can join Windows 10 devices to Azure Active Directory (Azure AD).

True

False

Q36: You can join Android devices to Azure Active Directory (Azure AD).

True

False

Q37: 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?

Yes

No

Both Azure App Service and Azure SQL databases are PaaS services.

Q38: 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?

Yes

No

Virtual machine is IaaS service

Q39: 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?

Yes

No

Azure Storage account is a PaaS service

Q40: Your company plans to migrate all its data and resources to Azure. The company's migration plan states that only Platform as a Service (PaaS) solutions must be used in Azure. You need to deploy an Azure environment that meets the company's migration plan. **What should you create?**

- a) An azure virtual machines, Azure SQL databases, and Azure Storage accounts.
- b) An Azure App Service and Azure virtual machines that have Microsoft SQL Server installed.
- c) An Azure App Service and Azure SQL databases.
- d) An Azure storage accounts and web server in Azure virtual machines.

Azure Active Directory Domain Services (Azure AD DS)

Manage your domain controllers in the cloud.

Azure Active Directory Domain Services (Azure AD DS), part of [Microsoft Entra](#), enables you to use managed domain services—such as Windows Domain Join, group policy, LDAP, and Kerberos authentication—without having to deploy, manage, or patch domain controllers.



Access to managed domain services such as Windows Domain Join, group policy, LDAP, and Kerberos authentication



Ability to join Azure virtual machines to a managed domain without domain controllers



Simple sign-in to apps connected to your managed domain with Azure AD credentials



Lift-and-shift migration of legacy applications from your on-premises environment to a managed domain

Question based on

Azure Active Directory Domain Services (Azure AD DS)

Q41: Is Azure Active Directory Domain Services part of Microsoft Entra.

True

False

Q42: You can create multiple managed domains for a single Azure AD directory.

True

False

Q43: You can enable Azure AD DS in an Azure Resource Manager virtual network.

True

False

Answer to the above question is False..

Azure AD Domain Services cannot be enabled in virtual networks created using Azure Resource Manager

Q44: You can always invite guest user in your directory to use Azure AD DS.

True

False

Q45: You can pause an Azure AD DS managed domain.

True

False

Q46: Azure AD DS include high availability options.

True

False

Q47: 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.

Q48: You plan to migrate a web application to Azure. The web application is accessed by external users. You need to recommend a cloud deployment solution to minimize the amount of administrative effort used to manage the web application. **What should you include in the recommendation?**

- a) Software as a Service (SaaS)
- b) Platform as a Service (PaaS)
- c) Infrastructure as a Service (IaaS)
- d) Database as a Service (DaaS)

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.

Q49: You have a subscription SUB1 with a virtual machine VM1. You create a new subscription SUB2 and move VM1 to SUB2. **Is this possible?**

Yes

No

Moving an Azure Resource

VS Copying an Azure Resource

Q50: You can move VMs to another Azure region

True

False

Q51: Your virtual machine VM1 reside in Resource Group RG1. You want to copy VM1 to another resource group RG2. **Is this possible?**

Yes

No

You can move the VM from one subscription to another or from one Resource Group to another. But you cannot copy it

Q52: Your virtual machine VM1 reside in Resource Group RG1 in Subscription A. You want to copy VM1 to another resource group RG2 in Subscription B. **Is this possible?**

Yes

No

Q53: Your company has multiple Azure Virtual Machines in an Availability Zone in Region A. You are asked to move one Virtual Machine from this Availability Zone to another Availability Zone in Region B. **Is this possible?**

Yes

No

You can move Azure VMs (and related network/storage resources) to an availability zone in a different Azure region, using Azure Resource Mover.



Q54: Your company has a private cloud setup, and they want to start using Microsoft Azure Hybrid cloud model. They would need to migrate their entire private cloud model to achieve a hybrid cloud model. Is it true or false?

True

False

Q55: Your company has a private cloud setup, and they want to start using Microsoft Azure Public cloud model. When can an organization decommission its private cloud infrastructure hosted in its data center?

- a) When they have a hybrid solution
- b) When all of their servers are in the private cloud
- c) When all of their servers are in the public cloud
- d) When all of their servers are in the public or private cloud

After migration to public cloud

Q56: What does a customer provide in a software as a service (SaaS) model?

- a) application data
- b) data storage
- c) compute resources
- d) application software

What is SaaS?

Software as a service

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.

Advantages of SaaS

Gain access to sophisticated applications. To provide SaaS apps to users, you don't need to purchase, install, update, or maintain any hardware, middleware, or software. SaaS makes even sophisticated enterprise applications, such as ERP and CRM, affordable for organizations that lack the resources to buy, deploy, and manage the required infrastructure and software themselves.

Pay only for what you use. You also save money because the SaaS service automatically scales up and down according to the level of usage.

Use free client software. Users can run most SaaS apps directly from their web browser without needing to download and install any software, although some apps require plugins. This means that you don't need to purchase and install special software for your users.

Mobilize your workforce easily. SaaS makes it easy to "mobilize" your workforce because users can access SaaS apps and data from any Internet-connected computer or mobile device. You don't need to worry about developing apps to run on different types of computers and devices because the service provider has already done so. In addition, you don't need to bring special expertise onboard to manage the security issues inherent in mobile computing. A carefully chosen service provider will ensure the security of your data, regardless of the type of device consuming it.

Access app data from anywhere. With data stored in the cloud, users can access their information from any Internet-connected computer or mobile device. And when app data is stored in the cloud, no data is lost if a user's computer or device fails.

Q57: Your company plans to deploy several custom applications to Azure. The applications will provide invoicing services to the customers of the company. Each application will have several prerequisite applications and services installed. You need to recommend a cloud deployment solution for all the applications. **What should you recommend?**

- a) Software as a Service (SaaS)
- b) Platform as a Service (PaaS)
- c) Infrastructure as a Service (IaaS)

What is IaaS?

Infrastructure as a service

Overview FAQs Products Get started

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. IaaS is one of the four types of cloud services, along with software as a service (SaaS), platform as a service (PaaS), and serverless.

Migrating your organization's infrastructure to an IaaS solution helps you reduce maintenance of on-premises data centers, save money on hardware costs, and gain real-time business insights. IaaS solutions give you the flexibility to scale your IT resources up and down with demand. They also help you quickly provision new applications and increase the reliability of your underlying infrastructure.

IaaS lets you bypass the cost and complexity of buying and managing physical servers and datacenter infrastructure. Each resource is offered as a separate service component, and you only pay for a particular resource for as long as you need it. A [cloud computing service provider](#) like [Azure](#) manages the infrastructure, while you purchase, install, configure, and manage your own software—including operating systems, middleware, and applications.

SEE

Q58: You have 50 virtual machines hosted on-premises and 50 virtual machines hosted in Azure. The on-premises virtual machines and the Azure virtual machines connect to each other. **Which type of cloud model is this?**

- a) hybrid cloud
- b) private cloud
- c) public cloud

Q59: Google Apps, Microsoft Office 365, Gmail, Yahoo and Facebook are example of SaaS.



True

False

Q60: App Services, Azure Search and Azure CDN are examples of?

- a) Software as a Service (SaaS)
- b) Platform as a Service (PaaS)
- c) Infrastructure as a Service (IaaS)

Azure CDN: Azure Content Delivery Network

CDNs store cached content on edge servers in point-of-presence (POP) locations

Global, distributed points of presence (PoPs) provide fast content delivery and protect the point of origin from congestion.

[SUBSCRIBE](#)

Q61: A company is planning on deploying Microsoft Azure resources to a Resource Group (RG1). But the resources would belong to different locations. [Can you have resources that belong to the same resource group but be in multiple locations?](#)

Yes

No

- **Resource Group (RG1) location: West US**
- **Storage account, location: West US**
- **Virtual Machine: Central US**
- **Function App: West India**
- **Web App: West Europe**
- **Data Factory: South India**

1. Why a RG needs a location?

2. If resources inside RG have different location than RG

3. What is important of location in RG?

1. The resource group stores the meta-data about the resources. Location of the RG means the location of the meta-data
Also for compliance reasons you need to store data in a particular region

Q62: Microsoft SQL Server 2019 installed on an Azure virtual machine is an example of Platform as a Service (PaaS).

Yes

No

Q63: Azure SQL Database is an example of Platform as a Service (PaaS).

Yes

No

- What are the differences between SQL Server on Azure Virtual Machines and Azure SQL Managed Instance?

SQL Server on Azure Virtual Machines (IaaS) is a fast and straightforward migration option, but it requires a more hands-on approach to database administration. You'll continue to purchase, install, and manage your own software, including operating systems and applications. Azure SQL Managed Instance (PaaS) eliminates day-to-day administration but may require changes to the application code. Automated features boost performance and data protection, while serverless and hyperscale automatically scale compute and storage.

Q64: Azure Cosmos DB is an example of Platform as a Service (PaaS).



Yes

No

Q65: Azure Cosmos DB is an example of Serverless.

Yes

No

Azure Cosmos DB is a fully managed platform-as-a-service (PaaS). To begin using Azure Cosmos DB, create an Azure Cosmos DB account in an Azure resource group in your subscription. You then create databases and containers within the account.

The Azure Cosmos DB serverless offering lets you use your Azure Cosmos DB account in a consumption-based fashion. With serverless, you're only charged for the Request Units (RUs) consumed by your database operations and the storage consumed by your data. Serverless containers can serve thousands of requests per second with no minimum charge and no capacity planning required.

Q66: You plan to provision Infrastructure as a Service (IaaS) resources in Azure. **Which three resources are examples of IaaS?**

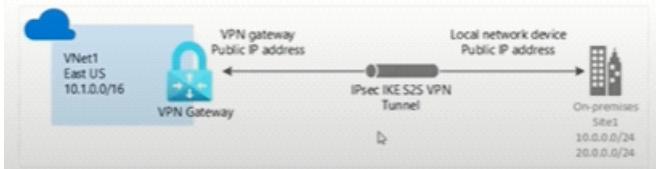
- a) an Azure web app
- b) an Azure virtual machine
- c) an Azure logic app
- d) Azure Disk Storage
- e) Azure Virtual Network

Q67: You need to manage Azure by using Azure Cloud Shell. Which Azure portal icon should you select? To answer, select the appropriate icon in the answer area.

The screenshot shows the Microsoft Azure portal interface. At the top, there's a blue header bar with the 'Microsoft Azure' logo, a search bar containing 'Search resources, services, and docs (G+)', and several icons for notifications, settings, and help. Below the header is a white area titled 'Azure services'. This area contains a grid of icons with labels: 'Create a resource' (plus sign), 'Resource groups' (cube), 'All resources' (grid), 'Virtual machines' (monitor), 'Storage accounts' (bar chart), 'Help + support' (person), and 'Cost Management ...' (dollar sign). A yellow arrow points upwards from the question text towards the 'Create a resource' icon.

68.

This tutorial shows you how to use the Azure portal to create a site-to-site VPN gateway connection between your on-premises network and a virtual network (VNet). You can also create this configuration using Azure PowerShell or Azure CLI.

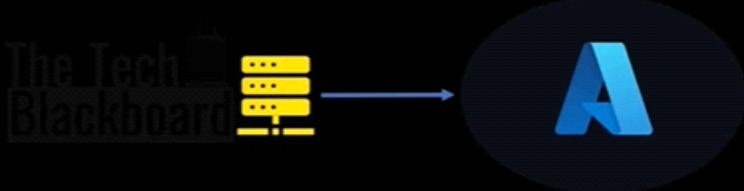


Create a local network gateway

The local network gateway is a specific object that represents your on-premises location (the site) for routing purposes. 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'll 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.

Q68: You plan to extend your company 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.

- a) Services
- b) NAT gateways
- c) Application gateways
- d) Local network gateways**
- e) Virtual network gateways
- f) On-premises Data Gateways
- g) Azure Data Box Gateway
- h) Azure Stack Edge / Data Box Gateway
- i) Web Application Firewall policies



Q69: Your Azure environment contains multiple Azure virtual machines. You need to ensure that a virtual machine named VM1 is accessible from the Internet over HTTP. **What are two possible solutions?** Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

- a) Modify an Azure Traffic Manager profile
- b) Modify a network security group (NSG)
- c) Modify a DDoS protection plan
- d) Modify an Azure firewall

SLA

Q70: You can improve composite SLA by adding redundant service to your application.

Yes

No

Q71: You can improve composite SLA by adding more dependent service to your application.

Yes

No

Q72: SLA in Azure is a formal agreement between Microsoft and customer. **Which factor is covered in SLA?**

- a) Durability
- b) Scalability
- c) Elasticity
- d) Availability

Q73: During which phase Azure services are subject to a Service Level Agreement (SLA).

- a) Private preview
- b) Public preview
- c) Generally available (GA)

Q74: During Public Preview phase only those with special invite can access the service.

True

False

Azure Active Directory preview programs

Azure Active Directory provides updates and new features in the form of preview programs. Microsoft rolls out previews in phases to give Microsoft and customers the opportunity to evaluate and understand the new feature before it becomes part of the standard service of Azure AD. The phases are as follows:

1. **Private preview** – During this phase we invite a few customers to take part in early access to new concepts and features. This phase does not include formal support.
2. **Public preview** – During this phase we allow any customer with the proper Azure AD license to evaluate the new feature. Microsoft Customer Support Services will supply support services during this phase, but normal service level agreements do not apply. For new features exposed in the Azure AD Portal, customer can expect to see information banners in the user interface that draw attention to the new experience available during the preview. By clicking on the information banner customers then opt-in to the preview experience.
3. **Generally available (GA)** – After the public preview is completed, the feature is open for any licensed customer to use and is supported via all Microsoft support channels. Be aware when a new feature impacts existing functionality, it might change the way you or your users use the functionality.

Every Azure Active Directory preview program has different opt-in requirements and dependencies.

Q75: Azure services in public preview are subject to a Service Level Agreement (SLA).

True

False

Q76: Microsoft Customer Support Services will supply support services during public preview.

True

False

Q77: All Azure services in private preview must be accessed by using a separate Azure portal.

True

False

Q78: Azure services in public preview can be used in production environments.

True

False

Q79: Which of the following is correct Lifecycle of Azure Services:

1

Private preview

Public preview

Generally available (GA)

2

Dev preview

Public preview

Generally available (GA)

Q80: Single sign-on (SSO) is _____ method that enables users to sign in the first time and access various applications and resource by using same password.

- a) a validation
- b) an authentication**
- c) a configuration
- d) an authorization

Authentication

Authentication is the process of proving that you are who you say you are. This is achieved by verification of the identity of a person or device. It's sometimes shortened to *AuthN*. The Microsoft identity platform uses the [OpenID Connect](#) protocol for handling authentication.

Authorization

Authorization is the act of granting an authenticated party permission to do something. It specifies what data you're allowed to access and what you can do with that data. Authorization is sometimes shortened to *AuthZ*. The Microsoft identity platform uses the [OAuth 2.0](#) protocol for handling authorization.

Azure Storage redundancy & replication options

Q81: Which Azure Storage replication is the least expensive replication option?

- a) Locally redundant storage (LRS)**
- b) Zone-redundant storage (ZRS)
- c) Geo-redundant storage (GRS)
- d) Geo-zone-redundant storage (GZRS)

Redundancy in the primary region

Data in an Azure Storage account is always replicated three times in the primary region. Azure Storage offers two options for how your data is replicated in the primary region:

- Locally redundant storage (LRS) copies your data synchronously three times within a single physical location in the primary region. LRS is the least expensive replication option, but isn't recommended for applications requiring high availability or durability.
- Zone-redundant storage (ZRS) copies your data synchronously across three Azure availability zones in the primary region. For applications requiring high availability, Microsoft recommends using ZRS in the primary region, and also replicating to a secondary region.

Q82: Where does the copies of data maintained in LRS?

- a) Within a single region**
- b) Across separate availability zones
- c) Secondary region
- d) Primary region and Secondary region

Q83: Which Azure Storage replication comes under “Redundancy in the primary region”?

- (a) Locally redundant storage (LRS)
- (b) Zone-redundant storage (ZRS)
- (c) Geo-redundant storage (GRS)
- (d) Geo-zone-redundant storage (GZRS)

Q84: Which Azure Storage replication comes under “Redundancy in a secondary region”?

- (a) Locally redundant storage (LRS)
- (b) Zone-redundant storage (ZRS)
- (c) Geo-redundant storage (GRS)
- (d) Geo-zone-redundant storage (GZRS)

Azure Storage offers two options for copying your data to a secondary region:

- **Geo-redundant storage (GRS)** copies your data synchronously three times within a single physical location in the primary region using LRS. It then copies your data asynchronously to a single physical location in the secondary region. Within the secondary region, your data is copied synchronously three times using LRS.
- **Geo-zone-redundant storage (GZRS)** copies your data synchronously across three Azure availability zones in the primary region using ZRS. It then copies your data asynchronously to a single physical location in the secondary region. Within the secondary region, your data is copied synchronously three times using LRS.

Q85: How many copies of data are maintained by an Azure Storage account that uses locally redundant storage?



Three copies within a single region.

Q86: How many copies of data are maintained by an Azure Storage account that uses Zone-redundant storage (ZRS)?



Three copies across separate availability zones within a single region

Q87: How many copies of data are maintained by an Azure Storage account that uses Geo-redundant storage (GRS)/Read Access - Geo-redundant storage (RA-GRS)?



Six copies total, including three in the primary region and three in the secondary region

Q88: How many copies of data are maintained by an Azure Storage account that uses Geo-zone-redundant storage (GZRS) / Read Access - Geo-zone-redundant storage (RA-GZRS)?

3	4	6	9
---	---	---	---



Six copies total, including three across separate availability zones in the primary region and three locally redundant copies in the secondary region

Number of copies of data maintained on separate nodes	Three copies within a single region	Three copies across separate availability zones within a single region	Six copies total, including three in the primary region and three in the secondary region	Six copies total, including three across separate availability zones in the primary region and three locally redundant copies in the secondary region
---	-------------------------------------	--	---	---

Q89: Which are Azure Storage access tiers?

- a) Hot tier
- b) Frequent tier
- c) Cool tier
- d) Cold tier
- e) Archive tier

Q90: Blob storage account and a general-purpose storage account, both are same.

True	False
------	-------

What is a Blob storage account, and how is it different from a general-purpose storage account? ^

A Blob Storage account is specialized for storing data as blobs, and allows users to specify an access tier based on the frequency of access to data in that account. General Purpose accounts can be used to store blobs as well as files, disks, tables, and queues.

Q91: Which page in Azure portal that you typically use to assign roles to grant access to Azure resources?

- a) Access Control (IAM)
- b) Policy hub
- c) User Access Management
- d) User Role Management

Q92: Azure Active directory lets you set dynamic membership rules.

True	False
------	-------

Overview of dynamic membership for teams

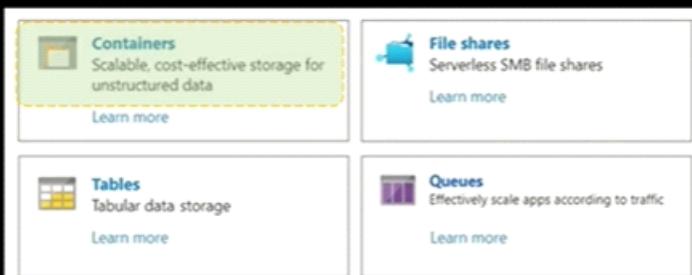
Article • 12/01/2022 • 2 minutes to read • 14 contributors • Applies to: Microsoft Teams

[Feedback](#)

Microsoft Teams supports teams associated with Microsoft 365 groups by using *dynamic membership*. Dynamic membership enables the membership of a team to be defined **by one or more rules that check for certain user attributes in Azure Active Directory (Azure AD)**. Users are automatically added or removed to the correct teams as user attributes change or users join and leave the tenant.

Q93: 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?**

The Tech
Blackboard



Q94: Which cloud models can you deploy physical servers to?

- a) public cloud
- b) private cloud, hybrid cloud and public cloud
- c) hybrid cloud only
- d) private cloud and hybrid cloud**

Q95: Azure pay-as-you-go pricing is an example of CapEx.

The Tech

True

False

Q96: Paying electricity for your datacenter is an example of OpEx.

The Tech

True

False

Q97: Deploying your own datacenter is an example of CapEx.

The Tech

True

False

Q98: Azure provides flexibility between capital expenditure (CapEx) and operational expenditure (OpEx).

The Tech

True

False

Q99: When an Azure virtual machine is stopped, you continue to pay storage costs associated to the virtual machine.

The Tech

True

False

Q100: An Azure resource can have multiple locks.

The Tech

True

False

Q101: If an Azure resource has a Read-only lock, you can add a Delete lock to the resource?

The Tech

Yes

No

Q102: An Azure resource inherits locks from its resource group.

The Tech

True

False

Lock inheritance

When you apply a lock at a parent scope, all resources within that scope inherit the same lock. Even resources you add later inherit the same parent lock. The most restrictive lock in the inheritance takes precedence.

Extension resources inherit locks from the resource they're applied to. For example, Microsoft.Insights/diagnosticSettings is an extension resource type. If you apply a diagnostic setting to a storage blob, and lock the storage account, you're unable to delete the diagnostic setting. This inheritance makes sense because the full resource ID of the diagnostic setting is:

Q103: ReadOnly means authorized users can read a resource, but they can't delete or update it.

The Tech

True

False

Q104: Which built-in roles can create and delete management locks.

- a) Owner
- b) Contributor
- c) User Access Administrator
- d) Reader

Who can create or delete locks

To create or delete management locks, you need access to Microsoft.Authorization/* OR Microsoft.Authorization/locks/* actions. Only the Owner and the User Access Administrator built-in roles can create and delete management locks. You can create a custom role with the required permissions.

Q105: Delete and CanNotDelete, both locks achieve same objective. Users can read and modify a resource, but they can't delete it.

The Tech

True

False

You can set locks that prevent either deletions or modifications. In the portal, these locks are called Delete and Read-only. In the command line, these locks are called CanNotDelete and ReadOnly.

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

Q106: Geo-zone-redundant storage (GZRS) includes both general-purpose v1 and general-purpose v2 storage accounts

The Tech

True

False

Only standard general-purpose v2 storage accounts support GZRS. GZRS is supported by all of the Azure Storage services, including:

- Azure Blob storage (hot and cool block blobs, non-disk page blobs)
- Azure Files (all standard tiers: transaction optimized, hot, and cool)
- Azure Table storage
- Azure Queue storage

Q107: Geo-zone-redundant storage (GZRS) is supported by which of the following Azure Storage services:

- a) Azure Blob storage
- b) Azure Files
- c) Azure Table storage
- d) Azure Queue storage

Q108: Which property of your storage account should you check to determine which write operations have been replicated to the secondary region?

- a) Last Modified Time property
- b) Last Sync Time property
- c) Last Update Time property

Q109:	Statement	Yes	No
a) Data that is stored in an Azure Storage account automatically has at least three copies.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
b) All data that is copied to an Azure Storage account is backed up automatically to another Azure data center.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c) An Azure Storage account can contain up to 2 TB of data and up to one million files.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Q110: Which Azure Storage access tier has the highest storage costs, but the lowest access cost?.

- a) Hot tier
- b) Cool tier
- c) Archive tier

- Hot tier - An online tier optimized for storing data that is accessed or modified frequently. The hot tier has the highest storage costs, but the lowest access costs.
- Cool tier - An online tier optimized for storing data that is infrequently accessed or modified. Data in the cool tier should be stored for a minimum of 30 days. The cool tier has lower storage costs and higher access costs compared to the hot tier.
- Archive tier - An offline tier optimized for storing data that is rarely accessed, and that has flexible latency requirements, on the order of hours. Data in the archive tier should be stored for a minimum of 180 days.

Q111: The archive tier is not supported as the default access tier for a storage account.

- True
- False

Q112: What is the minimum recommended data retention period for cool access tiers?

- 5
- 30
- 45
- 90

Q113: What is the minimum recommended data retention period for archive access tiers?

- 30
- 60
- 90
- 180

Hot tier - An online tier optimized for storing data that is accessed or modified frequently. The hot tier has the highest storage costs, but the lowest access costs.

Cool tier - An online tier optimized for storing data that is infrequently accessed or modified. Data in the cool tier should be stored for a minimum of 30 days. The cool tier has lower storage costs and higher access costs compared to the hot tier.

Archive tier - An offline tier optimized for storing data that is rarely accessed, and that has flexible latency requirements, on the order of hours. Data in the archive tier should be stored for a minimum of 180 days.

Q114: If you have Azure resources deployed to every region, you can implement availability zones in all the regions.

- True
- False

Q115: You have an Azure subscription named Subscription1. You sign into 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 into Azure and then run the command. Does this meet the goal?

Yes

No

Q116: You have an Azure subscription named Subscription1. You sign into 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 into Azure and then run the command. Does this meet the goal?

Yes

No

Q117: You have an Azure subscription named Subscription1. You sign into 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?

Yes

No

Q118: Building a data center infrastructure is an example of operational expenditure (OpEx) costs.

The Tech

True

False

Q119: Monthly salaries for technical personnel are an example of operational expenditure (OpEx) costs.

The Tech
Blackboard

True

False

Q120: Leasing software is an example of operational expenditure (OpEx) costs.

The Tech
Blackboard

True

False



Purchase of Software is a capital expenditure (CapEX)

This answer is true. Leasing software is Operational Expenditure

Q121: North America is represented by a single Azure region.

The Tech
Blackboard

True

False

North America has several Azure regions, including West US, Central US, South Central US, East US, and Canada East.

Q122: Every Azure region has multiple datacenters.

The Tech
Blackboard

True

False

Q123: Data transfers between Azure services located in different Azure regions are always free.

The Tech
Blackboard

True

False

Q124: Data that is copied to an Azure Storage account is maintained automatically in at least three copies.

The Tech
Blackboard

True

False

Q125: Availability zones are used to replicate data and applications to multiple regions.

True

False

Availability Zones protects your applications and data from datacenter failures.

Q126:	Statement	Yes	No
a) Availability zones can be implemented in all Azure regions.	<input type="radio"/>	<input checked="" type="checkbox"/>	
b) Only virtual machines that run Windows Server can be created in availability zones.	<input type="radio"/>	<input checked="" type="checkbox"/>	
c) Availability zones are used to replicate data and applications to multiple regions.	<input type="radio"/>	<input checked="" type="checkbox"/>	



Azure availability zones are physically and logically separated datacenters with their own independent power source, network, and cooling. Connected with an extremely low-latency network, they become a building block to delivering high availability applications.

You can run both Window & Linux based Virtual machines in AZ

Q127: Which performance option should you choose for low latency scenarios while creating Azure Storage account?

a) Standard

(b) Premium

Q128: You have an on-premises network that contains several servers. You plan to migrate all the servers to Azure. You need to recommend a solution to ensure that some of the servers are available if a single Azure data center goes offline for an extended period. **What should you include in the recommendation?**

- a) fault tolerance
- b) elasticity
- c) scalability
- d) low latency



Fault tolerance refers to the ability of a system such as computer, network, cloud cluster, etc. to continue operating without interruption when one or more of its components fail.

Q129: When planning to migrate a public website to Azure, you must plan to pay monthly usage costs.

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

- a) No change is needed
- b) deploy a VPN
- c) pay to transfer all the website data to Azure
- d) reduce the number of connections to the website

Q130: 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?

Yes

No

Q131: 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?

Yes

No

Q132: 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?

Yes

No

Azure DevTest Labs is a service for easily creating, using, and managing infrastructure-as-a-service (IaaS) virtual machines (VMs) and platform-as-a-service (PaaS) environments in labs.

Q133: You have an on-premises network that contains 100 servers. You need to recommend a solution that provides additional resources to your users. The solution must minimize capital and operational expenditure costs.

What should you include in the recommendation?

- a) a complete migration to the public cloud
- b) an additional data center
- c) a private cloud
- d) a hybrid cloud.

Q134: 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?

Yes

No

Q135: 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?

Yes

No

Answer is NO

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?

Yes

No

Q137: Azure Site Recovery provides fault tolerance for virtual machines.

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

- a) No change is needed.
- b) disaster recovery
- c) elasticity
- d) high availability

and unplanned outages.

Site Recovery is a native disaster recovery as a service (DRaaS) and Microsoft has been recognised as a leader in DRaaS based on completeness of vision and ability to execute by Gartner in the 2019 Magic Quadrant for Disaster Recovery as a Service.

Q138: An Availability Zone in Azure has physically separate locations across two continents.

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

- a) No change is needed.
- b) within a single Azure region
- c) within multiple Azure regions
- d) within a single Azure datacenter

Q139: Azure Monitor can monitor the performance of on-premises computers.

True

False

Q140: Azure Monitor can send alerts to Azure Active Directory security groups.

True

False

Q141: Azure Monitor can trigger alerts based on data in an Azure Log Analytics workspace.

The Tech

True	False
------	-------

Azure Monitor alerts

Q142: Your company plans to migrate all on-premises data to Azure. You need to identify whether Azure complies with the company's regional requirements. What should you use?

- a) the Knowledge Center
- b) Azure Marketplace
- c) the MyApps portal
- d) the Trust Center**

The screenshot shows the Microsoft Trust Center website. At the top, there is a navigation bar with links for Microsoft, Trust Center, Privacy, Compliance, Products and services, More, All Microsoft, a search icon, a shopping cart icon, and a user profile icon. Below the navigation bar, the page title is "Microsoft Trust Center" and the main heading is "Products and services that run on trust". A subtext below the heading states: "Our mission is to empower everyone to achieve more, and we build our products and services with security, privacy, compliance, and transparency in mind." At the bottom of the main content area, there are three blue buttons labeled "Security", "Privacy", and "Compliance".

Q143: Azure Policy helps organization to:

- a) create security policy
- b) enforce organizational standards & to assess compliance at-scale.**
- c) Create firewall rules

Next steps

Azure Policy helps to enforce organizational standards and to assess compliance at-scale. Through its compliance dashboard, it provides an aggregated view to evaluate the overall state of the environment, with the ability to drill down to the per-resource, per-policy granularity. It also helps to bring your resources to compliance through bulk remediation for existing resources and automatic remediation for new resources.

Q144: You have 50 virtual machines hosted on-premises and 50 virtual machines hosted in Azure. The on-premises virtual machines and the Azure virtual machines connect to each other. **Which type of cloud model is this?**

- a) hybrid**
- b) private
- c) public

Q145: You plan to provision Infrastructure as a Service (IaaS) resources in Azure. Which resource is an example of IaaS?

- a) an Azure web app
- b) an Azure virtual machine
- c) an Azure logic app
- d) an Azure SQL database

IMP

Q146: What should you use to evaluate whether your company's Azure environment meets regulatory requirements?

- a) The Knowledge Center website.
- b) The Advisor blade from the Azure portal.
- c) Compliance Manager from the Security Trust Portal.
- d) The Security Center blade from the Azure portal

Q147: What should you use to evaluate whether your company's Azure environment meets regulatory requirements?

- a) Azure Service Health
- b) Azure Knowledge Center
- c) Microsoft Defender for Cloud
- d) Azure Advisor

Microsoft Defender for Cloud helps streamline the process for meeting regulatory compliance requirements, using the regulatory compliance dashboard. Defender for Cloud continuously assesses your hybrid cloud environment to analyze the risk factors according to the controls and best practices in the standards that you've applied to your subscriptions. The dashboard reflects the status of your compliance with these standards.

Q148: What should you use to evaluate whether your company's Azure environment meets regulatory requirements?

- a) Azure Service Health
- b) Azure Knowledge Center
- c) Azure Security Center
- d) Azure Advisor

1. First look for Compliance Manager Azure.
2. Else go for Azure security center.

Q149: You plan to provision Platform as a Service (PaaS) resources in Azure. Which resources are an example of PaaS?

- a) an Azure web app
- b) an Azure virtual machine
- c) an Azure logic app
- d) an Azure SQL database

Azure Key Vault

Q150: Azure key vault can analyze security log files from Azure virtual machines.

True

False

 Azure Key Vault is a cloud service that provides a secure store for secrets.

Q151: This question requires that you evaluate the underlined text to determine if it is correct.

Azure Key Vault is used to store app secrets.

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

- a) No change is needed
- b) Azure security center
- c) Azure Blob Storage
- d) Azure Repos

Q152: This question requires that you evaluate the underlined text to determine if it is correct.

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

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

- a) No change is needed
- b) Azure Active Directory (Azure AD) administrative accounts
- c) Personally Identifiable Information (PII)
- d) Server applications

Q153: Your company plans to automate the deployment of servers to Azure. Your manager is concerned that you may expose administrative credentials during the deployment.

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

What should you include in the recommendation?

- a) Azure Key Vault
- b) Azure Information Protection
- c) Azure Security Center
- d) Azure Multi-Factor Authentication (MFA)

Azure Key Vault is one of several key management solutions in Azure, and helps solve the following problems:

- **Secrets Management** - Azure Key Vault can be used to Securely store and tightly control access to tokens, **passwords**, certificates, API keys, and other secrets
- **Key Management** - Azure Key Vault can be used as a Key Management solution. Azure Key Vault makes it easy to create and control the encryption keys used to encrypt your data.
- **Certificate Management** - Azure Key Vault lets you easily provision, manage, and deploy public and private Transport Layer Security/Secure Sockets Layer (TLS/SSL) certificates for use with Azure and your internal connected resources.

Q154: Azure Key Vault automatically generates a new secret after every use.

The Tech
Blockboard

True

False

Q155: Which Azure service should you use to store certificates?

- a) Azure Security Center
- b) an Azure Storage account
- c) Azure Key Vault
- d) Azure Information Protection

Q156: If you are not using virtual machines and all its resources, what should you do to save cost?

- a) Stop Virtual Machine
- b) Shutdown Virtual Machine
- c) Switch off Virtual Machine

Q157: 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?

- a) a virtual network gateway
- b) a load balancer **X**
- c) an application gateway **X**
- d) a virtual network **X**
- e) a gateway subnet



Elimination Technique

Q158: Azure web app, Azure logic app and Azure SQL database are all examples of Platform as a Service (PaaS).

The Tech
Blockboard

True

False

Q159: DNS server runs on a virtual machine is PaaS.



True

False

In general, PaaS (Platform-as-a-Service) is about a platform where a developer can design and deploy an application. So, a regular DNS server runs on a virtual machine is not PaaS. An Azure virtual machine is considered IaaS as it offers computing resources.

Q160: SQL Server installed on a virtual machine is SaaS.



True

False

If you install SQL Server on a virtual machine manually or by using out of the box image, it is still a virtual machine. This means customers you still need to manage all of the platform aspects.

Q161: Azure SQL database is an example of PaaS.



True

False

Customers who purchase Azure SQL Database don't need to maintain anything related to SQL platform because Microsoft manages that.

Q162: Azure files is an example of SaaS.



True

False

Azure Files is a PaaS (platform-as-a-service) offering provided by Microsoft Azure that is built on top of Azure Storage. It provides fully managed file shares over a protocol called SMB (Server Message Block).

Q163: Cloud Computing leverages virtualization to provide services to multiple customers simultaneously



True

False

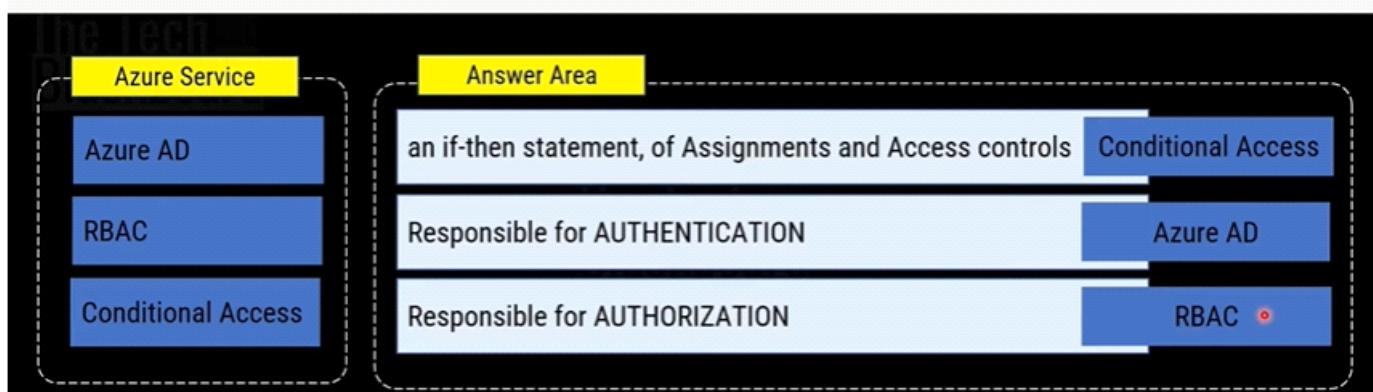
Q164: Which service provides serverless computing in Azure?

- a) Azure Virtual Machines
- b) Azure Functions
- c) Azure storage account
- d) Azure dedicated hosts

Q165: Releasing a feature to all Azure customers is called?

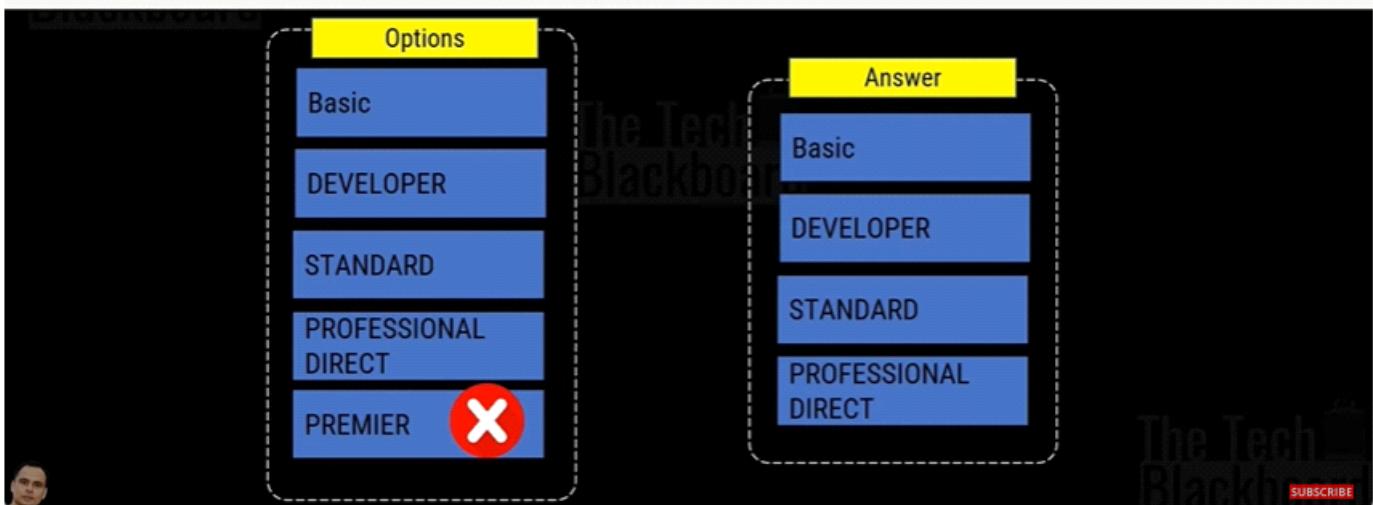
- a) General Availability
- b) General Preview
- c) Public Preview

Q166: 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.



Q167: 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?

Answer by dragging the correct option from the list to the answer area. Select and Place:



Q168: 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.

Azure Service	Answer Area
Dynamic scalability	A cloud service that remains available after a failure occurs
Low latency	A cloud service that can be recovered after a failure occurs
Fault tolerance	A cloud service that can be accessed quickly from the internet
Disaster recovery	A cloud service that performs quickly when demand increases

Dynamic scalability

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.

Low latency

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.

Fault tolerance

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.

Disaster recovery

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

Q169: Your billing is based on your usage of Azure resources and is invoiced _____

- a) Annually
- b) Monthly
- c) Daily

Q170: A company is planning on setting up a solution in Microsoft Azure. The solution would have the following key requirement:

Gives the ability to host a big data analysis service for machine learning

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

- a) Azure Databricks
- b) Azure Logic Apps
- c) Azure App Service
- d) Azure Application Insights

What is Azure Databricks?

Article • 02/02/2023 • 6 minutes to read • 3 contributors

Feedback

The Azure Databricks Lakehouse Platform provides a unified set of tools for building, deploying, sharing, and maintaining enterprise-grade data solutions at scale. Azure Databricks integrates with cloud storage and security in your cloud account, and manages and deploys cloud infrastructure on your behalf.

Q171: A company is planning on setting up a solution in Microsoft Azure. The solution would have the following key requirement:

Give the ability to detect and diagnose anomalies in web apps

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

- a) Azure Databricks
- b) Azure Logic Apps
- c) Azure App Service
- d) Azure Application Insights

Azure Application Insights is a feature of Azure Monitor. It is an extensible Application Performance Management (APM) service for web developers on multiple platforms. Use it to monitor your live web application. It will automatically detect performance anomalies. It includes powerful analytics tools to help you diagnose issues and to understand what users actually do with your app. It helps you continuously improve performance and usability. It works for apps on a wide variety of platforms including .NET, Node.js and Java EE, hosted on-premises, hybrid, or any public cloud.

Q172: A company is planning on setting up a solution in Microsoft Azure. The solution would have the following key requirement:

Allows the hosting of web-based applications

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

- a) Azure Databricks
- b) Azure Logic Apps
- c) Azure App Service
- d) Azure Application Insights

Q173: A company wants to host an application on a set of Virtual Machines. The application must be made available 99.99% of the time.

In order to comply with the SLA requirement, what is the minimum number of Virtual Machines required to ensure 99.99% up time to host the application?

1

2

3

As much as possible

Q174: A company is planning on hosting solutions within Microsoft Azure Cloud. They need to implement MFA for identities hosted in Microsoft Azure.

There are only two valid ways of authentications for MFA as listed below:

- Picture Identification
- Passport Number

Is the above true or false?

True

False

Multi-factor authentication is a process in which users are prompted during the sign-in process for an additional form of identification, such as a code on their cellphone or a fingerprint scan.

Azure AD Multi-Factor Authentication works by requiring two or more of the following authentication methods:

- Something you know, typically a password.
- Something you have, such as a trusted device that's **not easily duplicated**, like a phone or hardware key.
- Something you are - biometrics like a fingerprint or face scan.

Q175: A company plans on purchasing a Microsoft Azure Support plan.

Below is a key requirement for the support plan:

- Provide an option to contact Microsoft support engineers by phone or email during business hours.

A recommendation is made to purchase the Basic Support plan. Would this recommendation fulfill the requirement?

True

False

Q176:	Statement	Yes	No
a)	To implement a hybrid cloud model, a company must have an internal network.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b)	A company can extend the computing resources of its internal network by using a hybrid cloud.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c)	In a public cloud model, only guest users at your company can access the resources in the cloud.	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Q177: When you are implementing a Software as a Service (SaaS) solution, you are responsible for:

- a) configuring high availability.
- b) defining scalability rules.
- c) installing the SaaS solution.
- d) configuring the SaaS solution.

Example of SaaS is email services:

So just configure your email, everything else is taken care by email providers, such as GMAIL or OUTLOOK.

Q178: You plan to migrate a web application to Azure. The web application is accessed by external users. You need to recommend a cloud deployment solution to minimize the amount of administrative effort used to manage the web application.

What should you include in the recommendation?

- a) Software as a Service (SaaS)
- b) Platform as a Service (PaaS)
- c) Infrastructure as a Service (IaaS)
- d) Database as a Service (DaaS)

Q179: You plan to migrate several servers from an on-premises network to Azure. What is an advantage of using a public cloud service for the servers over an on-premises network?

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

Q180: You have 1,000 virtual machines hosted on the Hyper-V hosts in a data center. You plan to migrate all the virtual machines to an Azure pay-as-you-go subscription. You need to identify which expenditure model to use for the planned Azure solution.

Which expenditure model should you identify?

- a) Operational
- b) elastic
- c) capital
- d) scalable

Q181: Azure Cosmos DB is an example of _____ offering

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

Q182: A Microsoft SQL Server database that is hosted in the cloud and has software updates managed by Azure is an example of _____

- a) disaster recovery as a service (DRaaS).
- b) infrastructure as a service (IaaS).
- c) platform as a service (PaaS). ✓
- d) software as a service (SaaS).

Q183: Your company plans to migrate all its data and resources to Azure. The company's migration plan states that only Platform as a Service (PaaS) solutions must be used in Azure. You need to deploy an Azure environment that meets the company's migration plan. **What should you create?**

- a) Azure virtual machines, Azure SQL databases, and Azure Storage accounts.
- b) an Azure App Service and Azure virtual machines that have Microsoft SQL Server installed.
- c) an Azure App Service and Azure SQL databases. ✓
- d) Azure storage account and web server in Azure virtual machines.

Q184: 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?

True

False

Q185: 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?

True

False

Q186: You are working on understanding all the key terms when it comes to International Standards, data privacy and data protection policies.

Which of the following choices pertains to the following?

"An organization that defines international standards across all industries"

GDPR

ISO

NIST

Azure Government

Q187: You are working on understanding all the key terms when it comes to International Standards, data privacy and data protection policies.

Which of the following pertains to the following?

"An organization that defines standards used by the United States government"

GDPR	ISO	NIST	Azure Government
------	-----	------	------------------

Q188: You are working on understanding all the key terms when it comes to International Standards, data privacy and data protection policies.

Which of the following pertains to the following?

"A European policy that regulates data privacy and data protection"

GDPR	ISO	NIST	Azure Government
------	-----	------	------------------

Q189:	Statement	Yes	No
a) A platform as a service (PaaS) solution that hosts web apps in Azure provides full control of the operating systems that host applications.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b) A platform as a service (PaaS) solution that hosts web apps in Azure web apps in Azure provides the ability to scale the platform automatically.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
c) A platform as a service (PaaS) solution that hosts web apps in Azure provides professional development services to continuously add features to custom applications.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Q190:	Statement	Yes	No
a) Azure provides flexibility between capital expenditure (CapEx) and operational expenditure (OpEx).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
b) If you create two Azure virtual machines that use the B2S size, each virtual machine will always generate the same monthly costs.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c) When an Azure virtual machine is stopped, you continue to pay storage costs associated to the virtual machine.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Q191:	Statement	Yes	No
	a) You can copy a Virtual machine from one subscription to another subscription.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	b) You can move Azure VMs to another Azure region.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	c) You can move a Virtual machine from one subscription to another subscription.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Q192: The Microsoft Intune product is:

- a) Software as a Service (SaaS)
- b) Platform as a Service (PaaS)
- c) Infrastructure as a Service (IaaS)

Q193: At which OSI layer does ExpressRoute operate?

- a) Layer 2
- b) Layer 3
- c) Layer 5
- d) Layer 7

Q194: What are two benefits of cloud computing? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- a) enables the rapid provisioning of resources
- b) has increased administrative complexity
- c) has the same configuration options as on-premises
- d) shifts capital expenditures (CAPEX) to operating expenditures (OPEX)

Q195: What is a feature of an Azure virtual network?

- a) resource cost analysis
- b) packet inspection
- c) geo-redundancy
- d) isolation and segmentation

Isolation

Governance policies set by the organization.

Segmentation

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

Q196: _____ enables Azure resources to be deployed close to users.

- a) Elasticity
- b) Geo-distribution**
- c) High availability
- d) Scalability

Q197: 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?

Yes

No

Q198: 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?

Yes

No

Q199: 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?

Yes

No

Q200: Which of the following describes Platform as a Service (PaaS)?

- a) Users are responsible for purchasing, installing, configuring, and managing their own software (operating systems, middleware, and applications).
- b) Users create and deploy applications quickly without having to worry about managing the underlying infrastructure.
- c) Users pay an annual or monthly subscription.

Q201: You're developing an application and want to focus on building, testing, and deploying. You don't want to worry about managing the underlying hardware or software. Which cloud service type is best for you?

- a) Infrastructure as a Service (IaaS)
- b) Software as a Service (SaaS)
- c) Platform as a Service (PaaS)

Q202: You are running a virtual machine in a public cloud using IaaS. Which model correctly reflects how that resource is managed?

- a) Shared responsibility model
- b) Cloud user management model
- c) User management model

Q203: You plan to migrate several servers from an on-premises network to Azure. What is an advantage of using a public cloud service for the servers over an on-premises network?

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

Q204: In which type of cloud model are all the hardware resources owned by a third-party and shared between multiple tenants?

- a) Private Cloud
- b) Hybrid Cloud
- c) Public Cloud

Q205: A company wants to migrate their current on-premise servers to the cloud utilizing Microsoft Azure. They require that their servers are running even in the event that a single Data Center goes down. Which of the following terms best refers to the concept that needs to be implemented to fulfill this requirement?

- a) Fault Tolerance
- b) Elasticity
- c) Scalability
- d) Low Latency

Q206: A company is planning on setting up a Pay-as-You-Go subscription within Microsoft Azure.

Would the company have access to the support forums?

The Tech
Blackboard

<input type="radio"/> Yes	<input checked="" type="radio"/> No
---------------------------	-------------------------------------

Q207: Your company plans to purchase Azure support. The company's support policy states that the Azure environment must provide an option to access support engineers by phone or email. You need to recommend a support plan that meets the support policy requirement.

Solution: Recommend a Professional Direct support plan.

Does this meet the goal?

<input type="radio"/> Yes	<input checked="" type="radio"/> No
---------------------------	-------------------------------------

Q208: A company is planning on using an Azure App Service to host a set of web applications.

The company has the Basic tier service plan.

Does Microsoft automatically provide professional technical support services with the Basic support plan?

The Tech
Blackboard

<input type="radio"/> Yes	<input checked="" type="radio"/> No
---------------------------	-------------------------------------

1. Basic

2. DEVELOPER

3. STANDARD

4. PROFESSIONAL DIRECT

Q209: A _____ cloud is a computing environment that combines a public cloud and a private cloud by allowing data and applications to be shared between them.

The Tech
Blackboard

Public Cloud	Private Cloud	<input checked="" type="radio"/> Hybrid Cloud
--------------	---------------	---

Q210: Your company has an on-premises network that contains multiple servers. The company plans to reduce the following administrative responsibilities of network administrators:

- Backing up application data
- Replacing failed server hardware
- Managing physical server security
- Updating server operating systems
- Managing permissions to shared documents
- The company plans to migrate several servers to Azure virtual machines.

You need to identify which administrative responsibilities will be eliminated after the planned migration. Which two responsibilities should you identify?

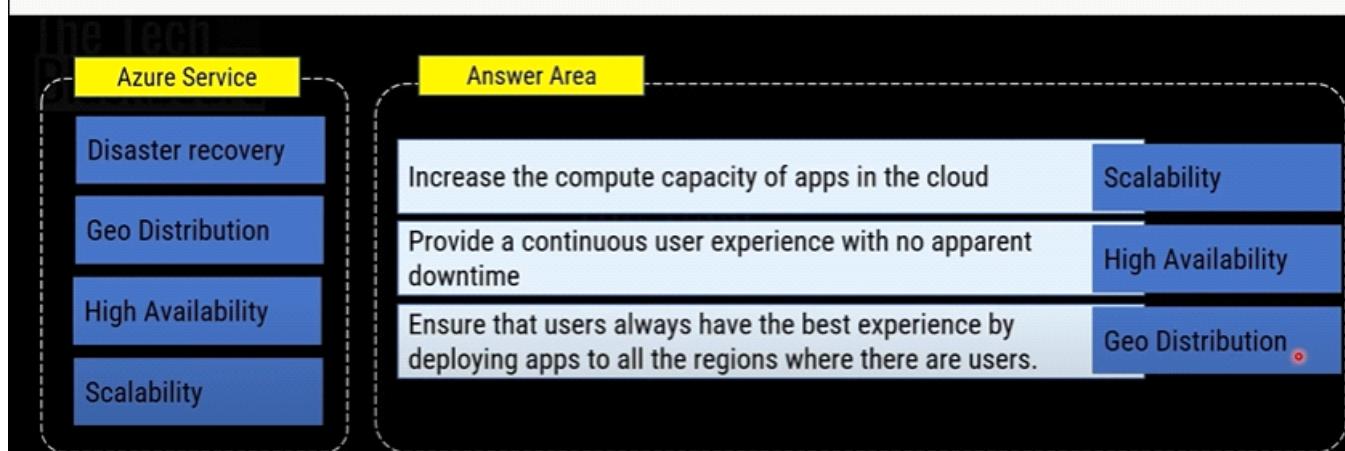
- a) Replacing failed server hardware
- b) Backing up application data
- c) Managing physical server security
- d) Updating server operating systems
- e) Managing permissions to shared documents

Q211:	Statement	Yes	No
a)	To achieve a hybrid cloud model, a company must always migrate from a private cloud model.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b)	A company can extend the capacity of its internal network by using the public cloud.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c)	In a public cloud model, only guest users at your company can access the resources in the cloud.	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Q212:	Statement	Yes	No
a)	With software as a service (SaaS), you must apply software updates.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b)	With infrastructure as a service (IaaS), you must install the software that you want to use.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c)	Azure Backup is an example of platform as a service (PaaS).	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Q213:	Statement	Yes	No
a)	You can create a resource group inside of another resource group.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b)	An Azure virtual machine can be in multiple resource groups.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c)	A resource group can contain resources from multiple Azure regions.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Q214: 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.



Q215: Your company plans to deploy several custom applications to Azure. The applications will provide invoicing services to the customers of the company. Each application will have several prerequisite applications and services installed. You need to recommend a cloud deployment solution for all the applications. **What should you recommend?**

- a) Software as a Service (SaaS)
- b) Platform as a Service (PaaS)
- c) Infrastructure as a Service (IaaS)

Q216: 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?

Yes

No

Q217: 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?

Q218: 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?

Q219: 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?

Q220: 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?

Q221: 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?

Q222: 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?

Yes	No
-----	----

Q223: 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?

Yes	No
-----	----

Q224:	Statement	Yes	No
a) All the Azure resources deployed to a single resource group must share the same Azure region.	<input type="radio"/>	<input checked="" type="checkbox"/>	
b) If you assign a tag to a resource group, all the Azure resources in that resource group are assigned to the same tag.	<input type="radio"/>	<input checked="" type="checkbox"/>	
c) If you set permissions to a resource group, all the Azure resources in that resource group inherit the permissions.	<input checked="" type="checkbox"/>	<input type="radio"/>	

Q225: You plan to implement an Azure database solution. You need to implement a database solution that meets the following requirements:

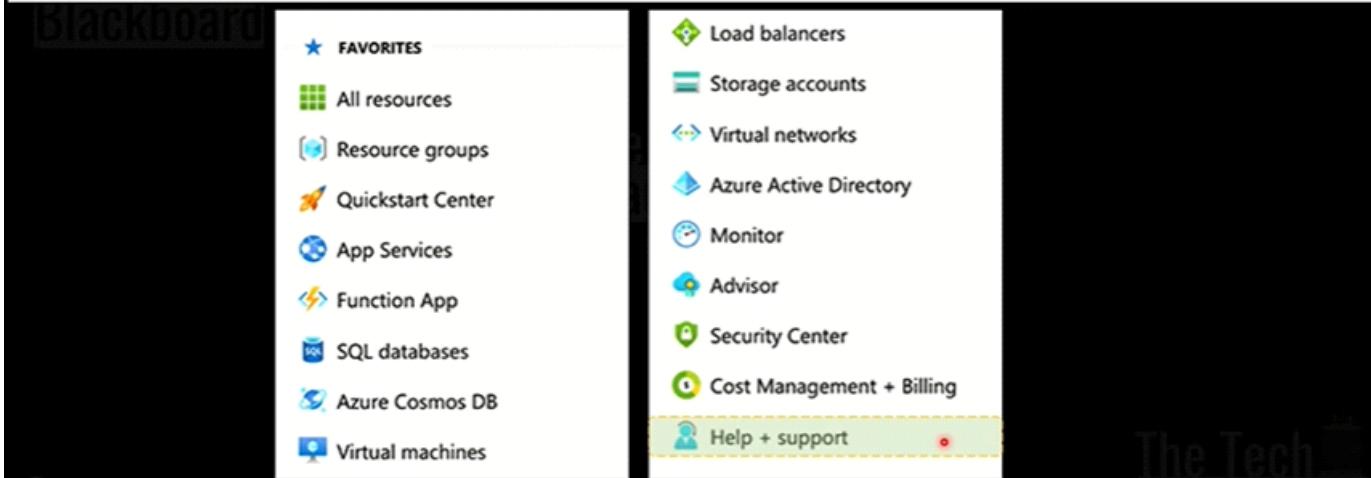
- Can add data concurrently from multiple regions
- Can store JSON documents

Which database service should you deploy?

- a) Azure Cosmos DB
- b) Azure SQL
- c) Azure Database for MySQL servers
- d) Azure Database for PostgreSQL servers
- e) SQL elastic pools
- f) SQL Server stretch databases



Q226: 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.



Q227: A company has created a Resource Group (RG) as shown below. They want to ensure that resources within the Resource Group (RG) don't get accidentally deleted. **Which of the following would you use for this purpose?**

The screenshot shows the 'Resource group' details page for 'passnexam-resource-group'. The left sidebar shows 'Home > passnexam-resource-group'. The main content area lists resources: a blob storage account, a virtual machine named 'Windows VM', and a network interface card. Below the resources is a section titled 'Locks' with a green notification dot, which is highlighted with a green box. Other options listed are 'Access Control', 'Policies', and 'Diagnostics settings'.

As an administrator, you can lock an Azure subscription, resource group, or resource to protect them from accidental user deletions and modifications. [The lock overrides any user permissions.](#)

Q228: In which Azure support plans can you open a new support request?

- a) Premier and Professional Direct only
- b) Premier, Professional Direct, and Standard only
- c) Premier, Professional Direct, Standard, and Developer only
- d) Professional Direct, Standard, Developer, and Basic**

Q229: You plan to use the `Workspace.from_config()` method to connect to your Azure Machine Learning workspace from a Python environment on your local workstation. You have already used pip to install the `azureml-sdk` package. **What else should you do?**

- a) Run `pip install azureml-sdk[notebooks]` to install the notebooks extra.
- b) Download the config.json file for your workspace to the folder containing your local Python code files.**
- c) Create a Compute Instance compute target in your workspace.

Q230: A company wants to purchase a Microsoft Azure support plan. Below is a key requirement from the support plan:

Regular architecture reviews from Microsoft for the Azure environment

Which of the following plan would the company need to purchase to fulfill this requirement?

- a) Basic
- b) Developer
- c) Professional Direct
- d) Standard

Q231: This question requires that you evaluate the underlined text to determine if it is correct.

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

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

- a) No change is needed
- b) Developer
- c) Basic
- d) Premier

Q232: Which Azure service should you use to store certificates?

- a) Azure Information Protection
- b) Azure Key Vault
- c) an Azure Storage account
- d) Azure Security Center

- ✓ Increase security and control over keys and passwords
- ✓ Use FIPS 140-2 Level 2 and Level 3 validated HSMs

- ✓ Create and import encryption keys in minutes
- ✓ Reduce latency with cloud scale and global redundancy

- ✓ Applications have no direct access to keys
- ✓ Simplify and automate tasks for SSL/TLS certificates

Q233: A company plans to setup multiple resources within their Microsoft Azure subscription. They want to implement tagging of resources within Microsoft Azure. But they want to ensure that when resource groups are created, they have to contain a tag with a name of "organization" and value of "montana".

You recommend using Azure Key Vault for implementing this requirement.

Would this recommendation fulfill the requirement?

Yes

No

Q234: A company plans to setup multiple resources within their Microsoft Azure subscription. They want to implement tagging of resources within Microsoft Azure. But they want to ensure that when resource groups are created, they have to contain a tag with a name of "organization" and value of "montana".

Solution: You recommend using Azure locks for implementing this requirement.

Would this recommendation fulfill the requirement?

Yes

No

Q235: A company plans to setup multiple resources within their Microsoft Azure subscription. They want to implement tagging of resources within Microsoft Azure. But they want to ensure that when resource groups are created, they have to contain a tag with a name of "organization" and value of "montana".

Solution: You recommend using Azure policies for implementing this requirement.

Would this recommendation fulfill the requirement?

Yes

No

Q236: Your company needs to deploy and manage several Microsoft Azure Web apps using the Azure App service resource.

Which of the following URL's would you use to manage the Azure Web Apps?

- a) <https://portal.microsoft.com>
- b) <https://portal.azure.com>
- c) <https://portal.azurewebsites.net>
- d) <https://portal.azurewebsites.com>

Q237: A company wants to ensure that users in their company are authenticated when they access resources defined in their Microsoft Azure account.

Which of the following is the correct definition of authentication?

- a) This specifies the type of service you can use in Azure
- b) This specifies the type of data you can use in Azure
- c) This is the act of providing legitimate credentials
- d) This specifies what you can do in Azure

Q238: A company needs to create around 50 customized Virtual Machines. Out of these 20 are Windows based Virtual machines and 30 are Ubuntu Machines.

Which of the following would help reduce the administrative effort required to deploy the machines?

- a) Azure Load Balancer
- b) Azure Web Apps
- c) Azure Traffic Manager
- d) Azure Scale Sets

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 the following key benefits:

- Easy to create and manage multiple VMs
- Provides high availability and application resiliency by distributing VMs across availability zones or fault domains
- Allows your application to automatically scale as resource demand changes
- Works at large-scale

Q239: From Azure Monitor, you can view which user turned off a specific virtual machine during the last 14 days.

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

- a) No change is needed
- b) Azure Event Hubs
- c) Azure Activity Log
- d) Azure Service Health

Q240: You plan to implement an Azure database solution. You need to implement a database solution that meets the following requirements:

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

Which database service should you deploy?

- a) Azure SQL Database
- b) Azure Database for PostgreSQL
- c) Azure Database for MariaDB
- d) Azure Cosmos DB

Q241: 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) A blob storage in storage account
- b) A table in storage account
- c) A Files service in a storage account

Q242: 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) Azure Region
- b) Content delivery network (CDN)
- c) Azure Cache

Increase speed and scalability for an optimal user experience

Azure Content Delivery Network offers a global solution for rapidly delivering content. Save bandwidth and improve responsiveness when encoding or distributing gaming software, firmware updates, and IoT endpoints. Reduce load times for websites, mobile apps, and streaming media to increase user satisfaction globally.



Stream media and download large files quickly with optimized delivery.



Provide a scalable solution to handle worldwide traffic spikes and instantaneous high loads.



Integrate seamlessly with your Azure services to activate within minutes.



Protect content with custom domain HTTPS, DDoS, and WAF protection.

Q243: A company has a set of Virtual Machines (VMs) defined within Microsoft Azure. One of the machines was down due to issues with the underlying Azure Infrastructure. The server was down for an extended period of time and breached the standard SLA defined by Microsoft.

How will Microsoft reimburse the downtime cost?

- a) By directly sending money to the customer's bank account
- b) By spinning up another Virtual Machine free of cost for the client
- c) By providing service credits to the customer
- d) By providing a service free of cost to use for a specific duration of time.

Q244: Your company has an on-premises network that contains multiple servers.

The company plans to reduce the following administrative responsibilities of network administrators:

- a) Backing up application data
- b) Replacing failed server hardware
- c) Managing physical server security
- d) Updating server operating systems
- e) Managing permissions to shared documents

The company plans to migrate several servers to Azure virtual machines. You need to identify which administrative responsibilities will be eliminated after the planned migration.

Which two responsibilities should you identify?

- a) Managing physical server security
- b) Updating server operating systems
- c) Managing permissions to shared documents
- d) Backing up application data
- e) Replacing failed server hardware

The Tech

Q245: A system's ability to scale dynamically is called:

- a) Agility
- b) Elasticity
- c) Extendibility

When the system is elastic, it means it can adjust its processing power to match the demand. This means the system can allocate and deallocate resources dynamically.

Q246: A company is planning on moving to Microsoft Azure.

Senior management wants to get an idea on the cost that will be incurred if decided to host resources within Azure.

Solution: You recommend using the Azure Cost Management to get the required costing of the resources.

Would this recommendation fit the requirement?

<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/> No
--------------------------	-----	--

Q247: A company is planning on moving to Microsoft Azure.

Senior management wants to get an idea on the cost that will be incurred if decided to host resources within Azure.

Solution: You recommend using the Cloudyn service to get the required costing of the resources.

Would this recommendation fit the requirement?

<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/> No
--------------------------	-----	--

Q248: A company is planning on moving to Microsoft Azure.

Senior management wants to get an idea on the cost that will be incurred if decided to host resources within Azure.

Solution: You recommend using the Total Cost of Ownership (TCO) Calculator.

Would this recommendation fit the requirement?

<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
---	-----------------------------

Cost Management + Billing helps you understand your Azure invoice (bill), manage your billing account and subscriptions

The Azure Total Cost of Ownership(TCO) Calculator is used to estimate the cost savings you can achieve by migrating your application workloads to Microsoft.

Q249: Your company has a website that is being threatened to be attacked to bring it down by sending a large volume of network traffic to your servers. Which Azure service can help your company to protect its App Service instance from this kind of attack?

- a) Azure Policy
- b) Azure Firewall
- c) Azure DDoS Protection
- d) Network security groups

Q250: When deployed with a web application firewall (WAF), Azure DDoS Protection protects both at the network layer and at the application layer.

Yes

No

Network layer (Layer 3 and 4, offered by Azure DDoS Protection) and at the application layer (Layer 7, offered by a WAF)

Distributed denial of service (DDoS) attacks are some of the largest availability and security concerns facing customers that are moving their applications to the cloud. A DDoS attack attempts to exhaust an application's resources, making the application unavailable to legitimate users. DDoS attacks can be targeted at any endpoint that is publicly reachable through the internet.

Azure DDoS Protection, combined with application design best practices, provides enhanced DDoS mitigation features to defend against DDoS attacks. It's automatically tuned to help protect your specific Azure resources in a virtual network. Protection is simple to enable on any new or existing virtual network, and it requires no application or resource changes.

Q251: Logs in Azure Monitor are stored in which of the following service:

- a) Log Analytics workspace
- b) Azure Event Hubs
- c) Azure Stream
- d) Azure Cosmos DB

Q252: Azure File Sync enables centralizing your organization's file shares in Azure Files, while keeping the flexibility, performance, and compatibility of a Windows file server.

Yes

No

Azure File Sync enables centralizing your organization's file shares in Azure Files, while keeping the flexibility, performance, and compatibility of a Windows file server. While some users may opt to keep a full copy of their data locally, Azure File Sync additionally has the ability to transform Windows Server into a quick cache of your Azure file share. You can use any protocol that's available on Windows Server to access your data locally, including SMB, NFS, and FTPS. You can have as many caches as you need across the world.

Q253: The Archive access tier is set at storage account level.

Yes

No

Q254: The hot access tier is recommended for data that is accessed and modified frequently.

Yes

No

Q256: To read a blob that is in the archive tier, you must first rehydrate the blob to an online tier (hot or cool) tier.

Yes

No

Archive tier	Rehydrate to the hot tier with Set Blob Tier or Copy Blob. Learn more...	Rehydrate to cool tier with Set Blob Tier or Copy Blob. Learn more...	N/A
--------------	---	--	-----

Q257: Archive tier, provides 99.99% of availability.

Yes

No

Summary of access tier options

The following table summarizes the features of the hot, cool, and archive access tiers.

	Hot tier	Cool tier	Archive tier
Availability	99.9%	99%	Offline
Availability (RA-GRS reads)	99.99%	99.9%	Offline
Usage charges	Higher storage costs, but lower access and transaction costs	Lower storage costs, but higher access and transaction costs	Lowest storage costs, but highest access, and transaction costs
Minimum recommended data retention period	N/A	30 days ¹	180 days

Q259: You have Multiple virtual machines (VMs) processing each order that comes from a web application that runs the website. These VMs exist on an Azure virtual network, but they need to access the internet. What's the best way to limit all outbound traffic from VMs to known hosts?

- a) Configure Azure DDoS Protection to limit network access to trusted ports and hosts.
- b) Create application rules in Azure Firewall.
- c) Ensure that all running applications communicate with only trusted ports and hosts.

Q260: Azure AD can save logs in azure monitor

Yes

No

Q261: You can integrate on-premises Active Directory domains with Azure Active Directory

Yes

No

Q262: You have multiple virtual machines in Azure virtual network. You want to implement a deny by default policy so that VMs can't connect to each other. What is the best way to do the same?

- a) Configure Azure DDoS Protection to limit network access to trusted ports and hosts.
- b) Create application rules in Azure Firewall.
- c) Ensure that all running applications communicate with only trusted ports and hosts.

Q263: Azure site recovery provides _____ for virtual machines

- a) faulty tolerance
- b) disaster recovery
- c) elasticity
- d) high availability

Welcome to the Azure Site Recovery service! This article provides a quick service overview.

As an organization, you need to adopt a business continuity and disaster recovery (BCDR) strategy that keeps your data safe, and your apps and workloads online, when planned and unplanned outages occur.

Azure Recovery Services contributes to your BCDR strategy.

- **Site Recovery service:** 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. When an outage occurs at your primary site, you fail over to a secondary location, and access apps from there. After the primary location is running again, you can fail back to it.
- **Backup service:** The Azure Backup service keeps your data safe and recoverable.

Q264: Resource groups provide organizations with the ability to manage the compliance of Azure resources across multiple subscriptions.

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

- a) No change is needed
- b) Management groups**
- c) Azure policies
- d) Azure App Service plans

Q265: Which tool enables users to authenticate to multiple applications by using single sign-on (SSO)?

- a) Azure resource group
- b) Azure Active Directory (Azure AD)**
- c) Azure advisor
- d) Azure monitor

Q266: 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?

Yes

No

Q267: 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?

Yes

No

Q268: 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?

Yes	No
-----	----

Azure DevTest Labs² is a service for easily creating, using, and managing infrastructure-as-a-service (IaaS) virtual machines (VMs) and platform-as-a-service (PaaS) environments in labs. Labs offer preconfigured bases and artifacts for creating VMs, and Azure Resource Manager (ARM) templates for creating environments like Azure Web Apps or SharePoint farms.

Lab owners can create preconfigured VMs that have tools and software lab users need. Lab users can claim preconfigured VMs, or create and configure their own VMs and environments. Lab policies and other methods track and control lab usage and costs.

Q269: 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 Information Protection.

Does the solution meet the goal?

Yes	No
-----	----

Q270: 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?

Q271: 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 key vault.

Does the solution meet the goal?

Q272: 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?

Q273: 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?

Q274: 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?

Azure API Management Service (APIM) is a way to create and manage customer APIs for existing backend services.

Q275: 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?

Azure management groups support Azure role-based access control (Azure RBAC) for all resource accesses and role definitions

Q276: 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?

Show 3 more

Azure Resource Manager is the deployment and management service for Azure. It provides a management layer that enables you to create, update, and delete resources in your Azure account. You use management features, like access control, locks, and tags, to secure and organize your resources after deployment.

To learn about Azure Resource Manager templates (ARM templates), see the [ARM template overview](#). To learn about Bicep, see [Bicep overview](#).

Q277: 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?

Yes	No
-----	----

Q278: 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?

Yes	No
-----	----

Q279: 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?

Yes	No
-----	----

Q280: 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?

Yes

No

Q282: 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?

Yes

No

Q283: 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 Azure Resource Manager.

Does the solution meet the goal?

Yes

No

Q284: 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?

Privileged Identity Management (PIM) is a service in Azure Active Directory (Azure AD) that enables you to manage, control, and monitor access to important resources in your organization. These resources include resources in Azure AD, Azure, and other Microsoft Online Services such as Microsoft 365 or Microsoft Intune. The following video explains important PIM concepts and features.

Q285: 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?

Securing password or certificates?

Azure Key Vault

Global DB, ms response time, JSON friendly?

Azure cosmos DB



Azure Blueprints

Azure blueprints | ARM templates | Azure policies

Q286: Azure Blueprints service is designed to provide a _____

- a) Centralized repository of approved design patterns for effective management of Azure environment
- b) repository for ARM templates
- c) repository for resource groups, policies, role assignments

An Azure blueprint is a set of standards and requirements for configuring the implementation of Azure services – by establishing specific sets of rules, conventions, or designs that can be reused.

[Overview of Azure Blueprints - Azure Blueprints | Microsoft Learn](#)

Just as a blueprint allows an engineer or an architect to sketch a project's design parameters, Azure Blueprints enables cloud architects and central information technology groups to define a repeatable set of Azure resources that implements and adheres to an organization's standards, patterns, and requirements. Azure Blueprints makes it possible for development teams to rapidly build and start up new environments with trust they're building within organizational compliance with a set of built-in components, such as networking, to speed up development and delivery.

Blueprints are a declarative way to orchestrate the deployment of various resource templates and other artifacts such as:

- Role Assignments
- Policy Assignments
- Azure Resource Manager templates (ARM templates)
- Resource Groups

Q287: Which of the following Azure component types can be a part of Azure Blueprint definition?

- a) Azure Resource Manager Template
- b) Azure Role Definition
- c) Azure Role Assignment
- d) Azure cloud Shell
- e) Azure Resource groups
- f) Azure RBAC
- g) Azure subscription
- h) Azure Policy Assignment

Q288: Which of permissions your account needs to create an Azure Blueprint?

- a) Microsoft.Blueprint/blueprints/write
- b) Microsoft.Blueprint/blueprints/policy/write
- c) Microsoft.Blueprint/blueprints/artifacts/write
- d) Microsoft.Blueprint/blueprints/role/write
- e) Microsoft.Blueprint/blueprints/versions/write

Microsoft.Blueprint/blueprints/write - [Create a blueprint definition](#)

Microsoft.Blueprint/blueprints/artifacts/write - [Create artifacts on a blueprint definition](#)

Microsoft.Blueprint/blueprints/versions/write - [Publish a blueprint](#)

Q289: Which built-in role can manage blueprint definitions, but not assign them:

- a) Owner
- b) Contributor
- c) Blueprint Contributor
- d) Blueprint Operator

Azure role	Description
Owner	In addition to other permissions, includes all Azure Blueprints related permissions.
Contributor	In addition to other permissions, can create and delete blueprint definitions, but doesn't have blueprint assignment permissions.
Blueprint Contributor	Can manage blueprint definitions, but not assign them.
Blueprint Operator	Can assign existing published blueprints, but can't create new blueprint definitions. Blueprint assignment only works if the assignment is done with a user-assigned managed identity.

Q290: Azure Blueprints and Azure ARM Templates are same?

Yes

No

Q291: Select the possible ways in which you can create Azure Blueprints

- a) Azure portal
- b) Azure PowerShell
- c) Azure CLI
- d) Azure REST API
- e) Azure templates

Q292: Azure Blueprints are stored either locally or in source control.

Yes

No

They are stored natively in MS Azure

Q293: Each blueprint can consist of zero or more ARM template artifacts.

Yes

No

Q294: A policy can be included as one of many artifacts in a blueprint definition.

Yes

No

A policy can be included as one of many *artifacts* in a blueprint definition.

Blueprints also support using parameters with policies and initiatives.

Q295: You can assign the Blueprint definition only once to an Azure subscription

Yes

No

Q296: 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?

Yes

No

Q297: 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 plan to require Azure Multi-Factor Authentication (MFA).

Does the solution meet the goal?

Yes

No

Q298: 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?

<input type="radio"/>	Yes	<input checked="" type="radio"/> No
-----------------------	-----	-------------------------------------

Q299: 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?

<input checked="" type="radio"/> Yes	<input type="radio"/> No
--------------------------------------	--------------------------

Q300: When you need to delegate permissions to several Azure virtual machines simultaneously, you must deploy the Azure virtual machines

- a) to the same Azure region
- b) by using the same Azure resource manager template
- c) to the same Azure Resource Group
- d) to the same availability zone

Q301: How can the IT department ensure that employees at the company's retail stores can access company applications only from approved tablet devices?

- a) SSO
- b) Conditional Access
- c) Multifactor authentication

Q302: How can the IT department use biometric properties, such as facial recognition, to enable delivery drivers to prove their identities?

- a) SSO
- b) Conditional Access
- c) Multifactor authentication

Authenticating through multifactor authentication can include something the user knows, something the user has, and something the user is.

Q303: How can the IT department reduce the number of times users must authenticate to access multiple applications?

- a) SSO
- b) Conditional Access
- c) Multifactor authentication

SSO enables a user to remember only one ID and one password to access multiple applications.

Q304: How can companies allow some users to control the virtual machines in each environment but prevent them from modifying networking and other resources in the same resource group or Azure subscription?

- a) Create a role assignment through Azure role-based access control (Azure RBAC).
- b) Create a policy in Azure Policy that audits resource usage.
- c) Split the environment into separate resource groups.

Azure RBAC enables you to create roles that define access permissions. You might create one role that limits access only to virtual machines and a second role that provides administrators with access to everything.

Q305: 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?

- a) multiple Azure Active Directory (Azure AD) directories
- b) multiple subscriptions
- c) multiple regions
- d) multiple resource groups

Q305: 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?

- a) multiple Azure Active Directory (Azure AD) directories
- b) multiple subscriptions
- c) multiple regions
- d) multiple resource groups

An Azure subscription is a container for Azure resources. It is also a boundary for permissions to resources and for billing. You are charged monthly for all resources in a subscription. A single Azure tenant (Azure Active Directory) can contain multiple Azure subscriptions.

A resource group is a container that holds related resources for an Azure solution. The resource group can include all the resources for the solution, or only those resources that you want to manage as a group.

Q306: Where can a legal team access information around how the Microsoft cloud helps them sensitive data and comply with applicable laws and regulations?

- a) Microsoft Privacy Statement
- b) Trust Center
- c) Online Services Terms

Q307: Where can the company access details about the personal data Microsoft processes and how the company processes it, including for Cortana?

- a) Microsoft Privacy Statement
- b) The Azure compliance documentation
- c) Microsoft compliance offerings

Q308: Your company's website has business critical data that must be secured at any cost. To replicate the data your business needs to copy data to a secondary region from the primary region across multiple datacenters that are located many miles apart.

Which storage option is best for you?

- a) Premium storage
- b) Zone redundant storage (ZRS)
- c) Geo-redundant storage (GRS)
- d) Locally-redundant storage (LRS)

Geo-redundant storage (GRS) -Replicates your data to a secondary region that is in different geographic locations from the primary region.

Q310: Which is likely the best way for companies to identify which billing department each Azure resource belongs to?

- a) Track resource usage in a spreadsheet.
- b) Split the deployment into separate Azure subscriptions, where each subscription belongs to its own billing department.
- c) Apply a tag to each resource that includes the associated billing department.

Tags provide extra information, or metadata, about your resources. You can create a tag that's named Billing Dept whose value would be the name of the billing department. You can use Azure Policy to ensure that the proper tags are assigned when resources are provisioned.

Q311: 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?

- a) Configure a Site-to-Site (S2S) VPN.
- b) Configure a VNet-toVNet VPN.
- c) Configure a Point-to-Site (P2S) VPN.
- d) Configure DirectAccess on a Windows Server 2012 server VM.
- e) Configure a Multi-Site VPN

Q312: Single sign-on (SSO) is _____ method

- a) a configuration
- b) a validation
- c) an authentication
- d) an authorization

Single sign-on (SSO) is an authentication method that enables users to sign in the first time and access various applications and resource by using same password.

Q313: You have an on-premises network that contains several servers. You plan to migrate all the servers to Azure. You need to recommend a solution to ensure that some of the servers are available if a single Azure data center goes offline for an extended period.

What should you include in the recommendation?

- a) Availability Set
- b) Fault tolerance**
- c) Scalability
- d) elasticity
- e) low latency

Fault tolerance is the ability of a system to continue to function in the event of a failure of **some** of its components.

Q314: In Azure what do you understand by Application availability?

- a) Application is available to high end users
- b) The individual SLA of each resource
- c) The overall time that a system is functional and working**

Q315: You are the data engineer for your company. An application uses a NoSQL database to store data. The database uses the key-value and wide-column NoSQL database type. Developers need to access data in the database using an API. You need to determine which API to use for the database model and type.

Which two APIs should you use?

- a) Cassandra API**
- b) Table API
- c) SQL API
- d) Gremlin API
- e) MongoDB API**

Both Cassandra API and MongoDB API has key value pair

Q316: Which two types of customers are eligible to use Azure Government to develop a cloud solution? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- a) a Canadian government contractor
- b) a European government contractor
- c) a United States government entity**
- d) a European government entity
- e) a United States government contractor**

Q317: This question requires that you evaluate the underlined text to determine if it is correct.

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

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

- a) No change is needed
- b) DDoS protection
- c) Azure Information Protection
- d) Azure Active Directory (Azure AD) Identity Protection

Azure Information Protection (AIP) is part of Microsoft Purview Information Protection (formerly Microsoft Information Protection or MIP). Microsoft Purview Information Protection helps you discover, classify, protect, and govern sensitive information wherever it lives or travels.

AIP extends the labeling and classification functionality provided by Microsoft Purview with the following capabilities:

- The unified labeling client
- An on-premises scanner
- The SDK

AIP also provides the encryption service, Azure Rights Management, that's used by Microsoft Purview Information Protection.

Q318: Define availability set?

- a) Group of instances of your application in an availability zone
- b) A logical grouping of VMs that allows Azure to understand how your application is built to provide for redundancy and availability.
- c) Set of resources

Q319: Multi-factor authentication (MFA) in Azure Active Directory (Azure AD) is used to provide access to resources based on organizational policies?

Yes

No

Q320: Conditional Access in Azure Active Directory (Azure AD) is used to provide access to resources based on organizational policies?

Yes

No

Conditional Access is the tool used by Azure Active Directory to allow (or deny) access to resources based on identity signals. Conditional access is a more refined MFA (multifactor authentication) method.

Q321: You plan to build an enterprise data warehouse in Azure to perform business data analysis. The requirement is to build an integrated environment that will support the development of end-to-end analytical solutions.

Which service should you use for this?

- a) Azure Machine learning
- b) Azure Synapse Analytics**
- c) Azure Database for PostgreSQL

Azure Machine Learning is a development platform for coding machine learning.

Azure Synapse Analytics is a data analytics platform that combines data integration, enterprise data warehousing, and big data analytics.

Azure Database for PostgreSQL is a relational database service based on the open-source Postgres database engine. It is not used to build a data warehouse.

Q322: 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?

- a) a subscription**
- b) a resource group
- c) a virtual network
- d) a management group

Q323: Which of the following is a repeatable set of governance tools that helps development teams quickly build and create new environments while adhering to organizational compliance to speed up development and deployment.

- a) Azure Blueprints**
- b) A Continuous Integration/Continuous Deployment (CI/CD) pipeline configuration
- c) Azure Policy
- d) Azure DevOps

Q324: Which of the following correctly define Edge Computing?

- a) Edge computing allows you to secure your application on multiple locations.
- b) Edge computing allows customers to run VMs, containers and data services at edge locations.**
- c) Edge computing allows you to create scalable web applications.

Q325: Which of the following could grant or deny access based on the originating IP address?

- a) Azure Active Directory
- b) Azure Firewall
- c) VPN Gateway

The Azure Firewall grants server access based on the originating IP address of each request. You create firewall rules that specify ranges of IP addresses. Only clients from these granted IP addresses will be allowed to access the server. Firewall rules also include specific network protocol and port information.

Q326: From Azure Cloud Shell, you can track your company's regulatory standards and regulations, such as ISO 27001.

Instructions: Review the underlined text. If it makes the statement correct, select 'No change is needed'. If the statement is incorrect, select the answer choice that makes the statement correct.

- a) No change is needed.
- b) The Microsoft Cloud Partner Portal
- c) Compliance Manager
- d) The Trust Center

Q327: Which of the following is a correct statement?

- a) Private Cloud = Public Cloud + Hybrid Cloud
- b) Public Cloud = Hybrid Cloud + Private Cloud
- c) Hybrid Cloud = Private Cloud + Public Cloud

Hybrid Cloud – Use case

Your application resides on-premises or in a private cloud. Many times, sudden spikes in demand overload the capacity of your application like season events like online shopping or tax filing. Organizations can tap into additional computing resources in the public cloud, sometimes called "cloud bursting" - where the hybrid cloud environment allows the on-premises infrastructure to "burst through" to the public cloud.

Many customers take advantage of the hybrid cloud to achieve global scale, increased reliability. In highly regulated industries, data residency requirements may mandate that certain sets of data must be kept on-premises, while other workloads can reside in the public cloud.

Q328: Your organization's existing infrastructure is on-premises. Due to changing demand, the organization wants to move some of its infrastructure to the Azure cloud.

You are tasked to suggest a cloud computing model that takes full advantage of on-premises infrastructure and also allows data and applications to be shared between on-premises and cloud infrastructure.

Which cloud computing model would you suggest?

- a) public cloud
- b) private cloud
- c) hybrid cloud

Q329: This question requires that you evaluate the underlined text to determine if it is correct.

Resource groups provide organizations with the ability to manage the compliance of Azure resources across multiple subscriptions.

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

- a) No change is needed
- b) Azure App Service plans
- c) Azure policies
- d) Management groups

You can enforce to use only a certain SKU size of Virtual Machines in your subscription.

Q330: Which option lets you extend your on-premises networks into the Microsoft cloud over a private connection with the help of a connectivity provider?

- a) Point-to-Site (P2S) VPN
- b) Site-to-Site VPN
- c) ExpressRoute

ExpressRoute lets you extend your on-premises networks into the Microsoft cloud over a private connection with the help of a connectivity provider. With ExpressRoute, you can establish connections to Microsoft cloud services, such as Microsoft Azure and Microsoft 365.

Connectivity can be from an any-to-any (IP VPN) network, a point-to-point Ethernet network, or a virtual cross-connection through a connectivity provider at a colocation facility. ExpressRoute connections don't go over the public Internet. This allows ExpressRoute connections to offer more reliability, faster speeds, consistent latencies, and higher security than typical connections over the Internet. For information on how to connect your network to Microsoft using ExpressRoute, see ExpressRoute connectivity models.

Q331: Which option is used to set the communication between an on-premises VPN device and an Azure VPN gateway through an encrypted tunnel over the internet?

- a) Point-to-Site (P2S) VPN
- b) Site-to-Site VPN
- c) ExpressRoute

Site-to-site VPN: Establish connection between on-premises VPN device and an Azure VPN Gateway that is deployed in a virtual network.

This connection type allows communication between any on-premises authorized resource to access a virtual network through an encrypted tunnel.

Q332: Which option lets you create a secure connection to your virtual network from an individual client computer?

- a) Point-to-Site (P2S) VPN
- b) Site-to-Site VPN
- c) ExpressRoute

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. This article applies to the [Resource Manager deployment model](#).

Q333: Which of the following Azure services don't require you to select a particular region?

- a) Virtual Machines
- b) Storage types
- c) Azure Active Directory
- d) Azure Traffic Manager
- e) Azure DNS

Q334: Which Azure service you can use for quickly sending millions of notifications to iOS, Android, Windows, or Kindle devices, working with APNs (Apple Push Notification service), GCM (Google Cloud Messaging), WNS (Windows Push Notification Service), and more.

- a) IoT Hub
- b) Azure Notification Hubs
- c) Azure Machine Learning
- d) Azure Monitor

Azure Notification Hubs is a massively scalable mobile push notification engine for quickly sending millions of notifications to iOS, Android, Windows, or Kindle devices, working with APNs (Apple Push Notification service), GCM (Google Cloud Messaging), WNS (Windows Push Notification Service), and more.

Q335: To what should an application connect to retrieve security tokens?

- a) Azure Storage account
- b) Azure Active Directory (Azure AD)**
- c) Azure security center
- d) Azure Key vault

Azure AD authenticates users and provides access tokens. An access token is a security token that is issued by an authorization server. Security Token is not a Secret. Password, Private Keys, Certificates, etc., are secrets.

Tokens are generated when request is made and they change with almost each request and valid for short duration only. So, there is no point in protecting the token by storing it in the vault to use it when needed, it is not a static value.

Q336: You need to be aware of the latest Azure security standards to protect your data. Which of the following services should you use to ensure this?

- a) Azure Government
- b) Online Terms of Service
- c) Trust center**
- d) Azure compliance documentation

Q337: Azure Cosmos DB is an example of which cloud offering:

- a) platform as a service (PaaS)**
- b) infrastructure as a service (IaaS)
- c) serverless
- d) software as a service (SaaS)

Q338: A Microsoft SQL Server database that is hosted in the cloud and has software updates managed by Azure is an example of:

- a) disaster recovery as a service (DRaaS).
- b) infrastructure as a service (IaaS).
- c) platform as a service (PaaS).**
- d) software as a service (SaaS).

Q339: You can access Compliance Manager from:

- a) Azure Active Directory admin center
- b) Azure portal
- c) Microsoft 365 Compliance center
- d) Azure Service Trust Portal
- e) Microsoft Purview compliance portal.**

Q340: Which of the following provides information about planned maintenance and changes that could affect the availability of your resources?

- a) Azure Monitor
- b) Azure Security Center
- c) Azure Service Health

Azure Service Health is a suite of experiences that provide personalized guidance and support when issues with Azure services affect you. It can notify you, help you understand the impact of issues, and keep you updated as the issue is resolved. Azure Service Health can also help you prepare for planned maintenance and changes that could affect the availability of your resources.

Q341: This question requires that you evaluate the underlined text to determine if it is correct.

You use Management groups to organize resources in an Azure subscription.

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

- a) No change is needed
- b) Resource groups
- c) Management groups
- d) Administrative units

Azure resources are combined into resource groups, which act as logical containers into which Azure resources like web apps, databases, and storage accounts are deployed and managed.

Q342: Which of the following could require both a password and a security question for full authentication?

- a) Azure Firewall
- b) Application Gateway
- c) Multi-Factor Authentication

Multi-Factor Authentication (MFA). MFA can require two or more elements for full authentication.

As per Microsoft

Multifactor authentication (MFA) adds a layer of protection to the sign-in process. When accessing accounts or apps, users provide additional identity verification, such as scanning a fingerprint or entering a code received by phone.

Q343: You plan to deploy several Azure virtual machines. You need to control the ports that devices on the Internet can use to access the virtual machines. **What should you use?**

- a) a network security group (NSG)
- b) an Azure Active Directory (Azure AD) role
- c) an Azure Active Directory group
- d) an Azure key vault

Q344: 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) a route filter
- d) Network security groups (NSGs)

Q345: Which of the following services would you use to filter internet traffic in your Azure virtual network?

- a) Azure Firewall
- b) Network Security Group
- c) VPN Gateway

Network Security Group (NSG). NSGs allow you to filter network traffic to and from Azure resources in an Azure virtual network.

An NSG can contain multiple inbound and outbound security rules that enable you to filter traffic to and from resources by source and destination IP address, port, and protocol.

Q346: Which of the following provides information about planned maintenance and changes that could affect the availability of your resources?

- a) Azure Monitor
- b) Azure Security Center
- c) Azure Service Health

Azure Service Health is a suite of experiences that provide personalized guidance and support when issues with Azure services affect you.

It can notify you, help you understand the impact of issues, and keep you updated as the issue is resolved. Azure Service Health can also help you prepare for planned maintenance and changes that could affect the availability of your resources.

Q347: North America is represented by a single Azure region.

Yes

No

North America has several Azure regions, including West US, Central US, South Central US, East US, and Canada East.

Q348: Azure web app, Azure logic app and Azure SQL database are all examples of Platform as a Service (PaaS).

Yes

No

Q349: A company "ABC Limited" want to execute workflows that are designed to automate business scenarios and are built from predefined logic blocks without any code. **Which service is most suited?**

- a) Azure Functions
- b) Azure Logic Apps
- c) Azure Workflows
- d) Azure Compute

Azure Logic Apps

Logic apps are similar to functions. Both enable you to trigger logic based on an event. Where functions execute code, logic apps execute *workflows* that are designed to automate business scenarios and are built from predefined logic blocks.

Every Azure logic app workflow starts with a trigger, which fires when a specific event happens or when newly available data meets specific criteria. Many triggers include basic scheduling capabilities, so developers can specify how regularly their workloads will run. Each time the trigger fires, the Logic Apps engine creates a logic app instance that runs the actions in the workflow. These actions can also include data conversions and flow controls, such as conditional statements, switch statements, loops, and branching.

You create logic app workflows by using a visual designer on the Azure portal or in Visual Studio. The workflows are persisted as a JSON file with a known workflow schema.

Q350: 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) Azure API
- b) Azure Logic Apps
- c) Azure Workflows
- d) Azure Functions

Q351: This question requires that you evaluate the underlined text to determine if it is correct.

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

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

- a) No change is needed.
- b) 6 months
- c) 90 days
- d) 30 days

Q352: Where can you obtain details about the personal data Microsoft processes, how Microsoft processes it, and for what purposes?

- a) Microsoft Privacy Statement
- b) Compliance Manager
- c) Azure Service Health

The Microsoft Privacy Statement explains what personal data Microsoft processes, how Microsoft processes it, and for what purposes.

Q353: Which of the following can be used to help you enforce resource tagging so you can manage billing?

- a) Azure Policy
- b) Azure Service Health
- c) Compliance Manager

Azure Policy can be used to enforce tagging values and rules on resources.

Q354: Which of the following can be used to define a repeatable set of Azure resources that implement organizational requirements?

- a) Azure Blueprint
- b) Azure Policy
- c) Azure Resource Groups

Azure Blueprints enable cloud architects to define a repeatable set of Azure resources that implement and adhere to an organization's standards, patterns, and requirements. Azure Blueprint enables development teams to rapidly build and deploy new environments with the knowledge that they're building within organizational compliance with a set of built-in components that speed up development and delivery.

Q355: Which of the following lets you grant users only the rights they need to perform their jobs?

- a) Azure Policy
- b) Compliance Manager
- c) Role-Based Access Control

Role-Based Access Control (RBAC). RBAC lets you grant users only the rights they need to perform their jobs.

Q356: You plan to deploy 20 virtual machines to an Azure environment. To ensure that a virtual machine named VM1 cannot connect to the other virtual machines. For that VM1 must:

- a) be deployed to a separate virtual network
- b) run a different operating system, than the other virtual machine
- c) be deployed to a separate resource group
- d) have two virtual interfaces

Q357: You plan to deploy several Azure virtual machines. You need to ensure that the services running on the virtual machines remain available if a single data center fails. [What are two possible solutions? Each correct answer presents a complete solution.](#)

- a) Deploy the virtual machines to two or more availability zones.
- b) Deploy the virtual machines to two or more resource groups.
- c) Deploy the virtual machines to a scale set.
- d) Deploy the virtual machines to two or more regions.

Q358: Which of the following best explains cloud computing?

- a) Delivery of computing services over the internet.
- b) Setting up your own datacenter.
- c) Scalable computing

Q359: Which of the following is not a feature of Cloud computing?

- a) Latest technology
- b) A limited pool of services
- c) flexible resources
- d) economies of scale

Q360: Which of the following is not a Cloud computing?

- a) Public Cloud
- b) Scalable Cloud
- c) Private Cloud
- d) Hybrid Cloud

Q361: Which of these options helps you most easily disable an account when an employee leaves your company?

- a) Enforce multi-factor authentication (MFA)
- b) Monitor sign-on attempts
- c) Use single sign-on (SSO)

Single sign-on (SSO) centralizes user identity, so you can disable an inactive account in a single step.

Q362: Which of the following items would a be good use of a resource lock?

- a) An ExpressRoute circuit with connectivity back to your on-premises network
- b) A non-production virtual machine used to test occasional application builds
- c) A storage account used to temporarily store images processed in a development environment

Q363: Which of the following approaches would be the most efficient way to ensure a naming convention was followed across your subscription?

- a) Send out an email with the details of your naming conventions and hope it is followed.
- b) Create a policy with your naming requirements and assign it to the scope of your subscription
- c) Give all other users except for yourself read-only access to the subscription. Have all requests to create resources sent to you so you can review the names being assigned to resources, and then create them.

Q364: What is Azure Information Protection?

- a) AIP is a cloud-based solution that helps organizations classify and (optionally) protect its documents and emails by applying labels. Labels can be applied automatically (by administrators who define rules and conditions), manually (by users), or with a combination of both (where users are guided by recommendations).
- b) AIP is a cloud-based security solution that identifies, detects, and helps you investigate advanced threats, compromised identities, and malicious insider actions directed at your organization.
- c) AIP is a monitoring service that provides threat protection across all of your services both in Azure, and on-premises.

Q365: Your Azure environment contains multiple Azure virtual machines. You need to ensure that a virtual machine named VM1 is accessible from the Internet over HTTP.

What are two possible solutions?

- a) Modify an Azure Traffic Manager profile
- b) Modify a network security group (NSG)
- c) Modify a DDoS protection plan
- d) Modify an Azure firewall

Q366: This question requires that you evaluate the underlined text to determine if it is correct.

One of the benefits of Azure SQL Data Warehouse is that high availability is built into the platform.

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

- a) No change is needed
- b) Automatic scaling
- c) data compression
- d) versioning

Q367: This question requires that you evaluate the underlined text to determine if it is correct.

Azure scale set enables you to scale to thousands of virtual machines for high-performance computing and large-scale parallel jobs.

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

- a) No change is needed
- b) Automatic scaling
- c) Azure Batch
- d) An availability zone

Q368: Which two types of customers are eligible to use Azure Government to develop a cloud solution?

Each correct answer presents a complete solution.

- a) a Canadian government contractor
- b) a European government contractor
- c) a United States government entity
- d) a United States government contractor
- e) a European government entity

Q369: 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.

- a) Containers
- b) File Shares
- c) Tables
- d) Queues

Azure containers are the backbone of the virtual disks platform for Azure IaaS.

Both Azure OS and data disks are implemented as virtual disks where data is durably persisted in the Azure Storage platform and then delivered to the virtual machines for maximum performance.

Q370: Authorization to access Azure resources can be provided only to Azure Active Directory (Azure AD) users.

Yes

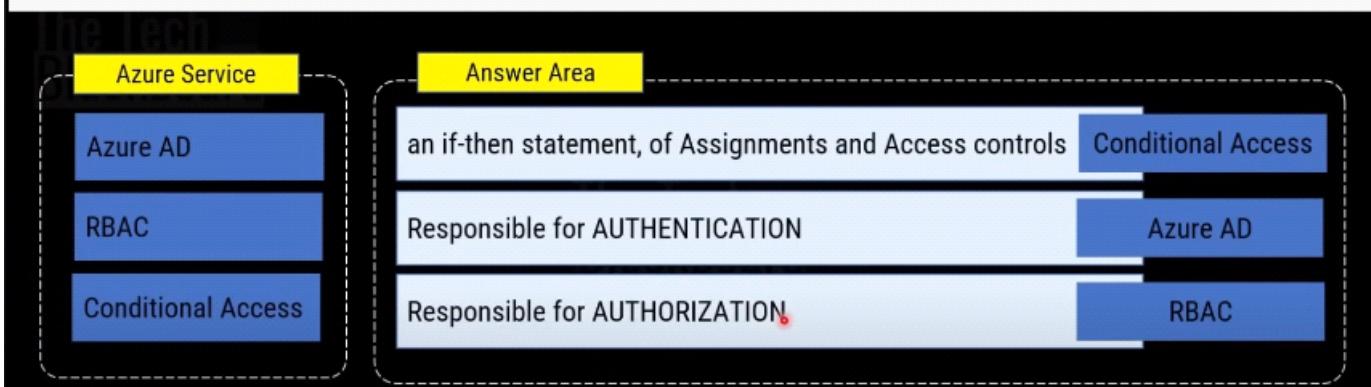
No

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

Azure AD is responsible for AUTHENTICATION,
RBAC is for AUTHORIZATION..



Q371: 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.



Q372: Identities stored in Azure Active Directory (Azure AD), third-party cloud services, and on-premises Active Directory can be used to access Azure resources.

[Yes] [No]

Q373: Azure has built-in authentication and authorization services that provide secure access to Azure resources.

[Yes] [No]

Q374: Azure Government is operated by Microsoft.

[Yes] [No]

Q375: Azure Government is designed for:

- a) Any Government worldwide
- b) US Government
- c) UK Government

Q376: Azure Government is available only to US government agencies and their partners.

[Yes] [No]

Q377: Azure China is operated by Microsoft.

[Yes] [No]

Q378: Azure China is operated by 21Vianet.

Yes

No

Q379: Microsoft Azure services operated by 21Vianet are a standalone instance, separating from Azure Global services.

Yes

No

Q380: The service availability in Azure China is not identical to global Azure.

Yes

No

Q381: You plan to extend your company's network to Azure. The network contains a VPN appliance that uses an IP address of 131.107.200.1. You need to create an Azure resource that identifies the VPN appliance. [Which Azure resource should you create?](#)

- a) Virtual networks
- b) Load balancers
- c) Virtual network gateways
- d) DNS zones
- e) Local Network Gateway**
- f) Traffic Manager profiles
- g) Network Watcher
- h) Application network gateways
- i) CDN profiles
- j) ExpressRoute circuits

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.

Q382: 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.

Azure Service

Answer Area

Azure Sphere

A managed service that provides bidirectional communication between IoT devices and Azure

IoT Hub

IoT Central

A fully managed software as a service (SaaS) solution to connect, monitor and manage IoT devices at scale

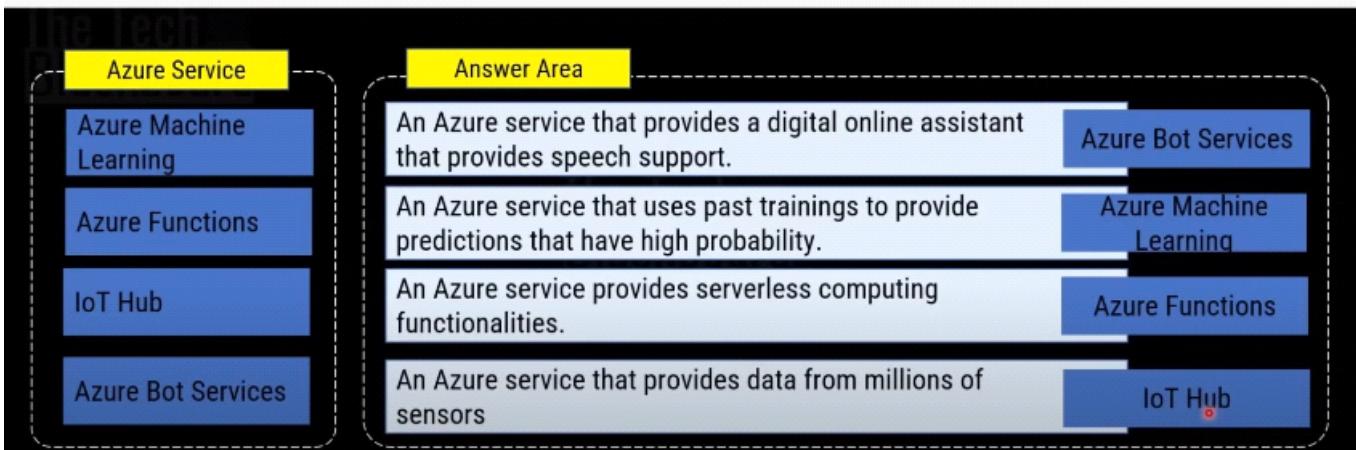
IoT Central

IoT Hub

A software and Hardware solution that provides communication and security features from IoT devices

Azure Sphere

Q383: 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.



Q384: Azure Advisor provides recommendations on how to improve the security of an Azure Active Directory (Azure AD) environment.

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.

Azure Advisor provides recommendations on lot of services like Application Gateway, App Services, availability sets, Azure Cache, Azure Data Factory, Azure Database for MySQL, Azure Database for PostgreSQL, Azure public IP addresses, Azure Synapse Analytics, SQL servers, storage accounts, Traffic Manager profiles, and virtual machines

However, Azure Advisor does not provide recommendations on how to improve the security of an Azure AD environment.

Q385: Azure Advisor provides recommendations on how to configure the network settings on Azure virtual machines.

Azure Advisor does provide recommendation to Azure Virtual machine but doesn't give recommendation on how to configure network settings on Azure virtual machines.

Q386: Azure Advisor provides recommendations on how to reduce the cost of running Azure virtual machines.

Q387: What is the purpose of Azure Advisor:

- a) Provide support advise on Azure services
- b) Suggest performance advise on Azure downtimes
- c) Personalized consultant service that provides recommendation for Azure services

Q388: Azure advisor provides focus recommendations in many areas, not just the cost.

384

Q389: Azure files is an example of SaaS.

Azure Files is a PaaS (platform-as-a-service) offering provided by Microsoft Azure that is built on top of Azure Storage. It provides fully managed file shares over a protocol called SMB (Server Message Block).

Q390: Azure SQL database is an example of PaaS.

In Azure SQL Database you don't need to maintain anything related to SQL platform because Microsoft manages that.

Q391: This question requires that you evaluate the underlined text to determine if it is correct.

An Availability Zone in Azure has physically separate locations across two continents.

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

- a) No change is needed.
- b) within a single Azure region**
- c) within multiple Azure regions
- d) within a single Azure datacenter

Q392: The Microsoft Intune product is:

- a) Software as a Service (SaaS)
- b) Platform as a Service (PaaS)
- c) Infrastructure as a Service (IaaS)

Q393: You can use Azure cost management to view costs associated to management groups.

Yes

No

Q394: You can use Azure cost management to view costs associated to resource groups.

Yes

No

Q395: You can use Azure cost management to view the usage of Virtual Machines during the last three months.

Yes

No

Q396: What is required to use Azure Cost Management?

- a) Microsoft Customer Agreement
- b) Software Assurance
- c) an Enterprise Agreement
- d) an Azure Plan

Cost Management is natively available for direct partners who have onboarded their customers to a Microsoft Customer Agreement and have purchased an Azure Plan. This article explains how partners use Cost Management features to view costs for subscriptions in the Azure Plan. It also describes how partners enable Cost Management access at retail rates for their customers.

For direct partners and indirect providers, the global admin and admin agents, can access Cost Management in the partner tenant and manage costs at invoiced prices.

Q397: North America is represented by a single Azure region.

Yes

No

North America has several Azure regions, including West US, Central US, South Central US, East US, and Canada East.

Q398: Data transfers between Azure services located in different Azure regions are always free

Yes

No

Outbound data transfer is charged at the normal rate and inbound data transfer is free.

Q399: Every Azure region has multiple datacenters.

Yes

No

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

Q400: Which of the following service should you use to organize resources in an Azure subscription?

- a) Azure regions
- b) Resource groups**
- c) Management groups
- d) Administrative units

Azure resources are combined into resource groups, which act as logical containers into which Azure resources like web apps, databases, and storage accounts are deployed and managed.

What is a resource group

A resource group is a container that holds related resources for an Azure solution.

The resource group can include all the resources for the solution, or only those resources that you want to manage as a group. You decide how you want to allocate resources to resource groups based on what makes the most sense for your organization. Generally, add resources that share the same lifecycle to the same resource group so you can easily deploy, update, and delete them as a group.

The resource group stores metadata about the resources. Therefore, when you specify a location for the resource group, you are specifying where that metadata is stored. For compliance reasons, you may need to ensure that your data is stored in a particular region.

Q401: Azure Files is an example of Infrastructure as service (IaaS)

Yes

No

Q402: A DNS server that runs on an Azure Virtual machine is an example of Platform as service (PaaS)

Yes

No

Q403: If you have Azure resources deployed to every region, you can implement availability zones in all the regions

Yes

No

Not every region has multiple Availability Zone.
Some regions may have only one Availability Zone.



Q404: Only virtual machines that run Windows Server can be created in availability zones

Yes

No

Regions that support availability zones support Linux virtual machines.

Q405: Availability zones are used to replicate data and applications to multiple regions

Yes

No

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.

Q406: Data that is stored in an Azure Storage account automatically has at least three copies.

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.

Q407: All the data that is copied to an Azure storage account is backed up automatically to another Azure data center

Data is not backed up automatically to another Azure Data Center although it can be depending on the replication option configured for the account.

It is important to understand that these replication options are not the same as backup either. Backup involves creating a separate copy of data, typically to a different storage system, and maintaining multiple versions over time to protect against data loss, corruption, or deletion. Azure provides various backup solutions for protecting data, such as Azure Backup, Azure Site Recovery, and Azure VM backup.

Q408: An Azure Storage account can contain up to 2 TB of data and up to one million files.

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.

Statement: 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.

Q409: What is the minimum number of virtual machines you should recommend for the deployment?

1 2 3 5

Q410: What is the minimum number of availability zones you should recommend for the deployment?

0 1 2 3

Q411: All the Azure resources deployed to a resource group must use the same Azure region.

Yes No

Azure resources deployed to a single resource group can be in different regions. The resource group only contains metadata about the resources it contains. There is no restriction of having same location for the resources as the resource group.

Q412: If you assign a tag to a resource group, all the Azure resources in that resource group are assigned to the same tag.

Yes No

Tags are not inherited by default.

Q413: If you assign permissions for a user to manage a resource group, the user can manage all the Azure resources in that resource group.

Yes No

Permissions set at the resource group level are inherited by the resources in the resource group.

Q414: Availability zones can be implemented in all Azure regions.

Yes

No

Not all Azure regions support availability zones.

Q415: Only virtual machines that run Windows Server can be created in availability zones.

Yes

No

Q415: Only virtual machines that run Windows Server can be created in availability zones.

Yes

No

Azure supports Linux as well.

Q416: Availability zones are used to replicate data and applications to multiple regions.

Yes

No

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

Q417: You can use 'Azure Policy' to download published audit reports and how Microsoft builds and operates its cloud services?

Yes

No

Q418: You can use 'Service Trust Portal' to download published audit reports and how Microsoft builds and operates its cloud services?

Yes

No

Q419: Authentication confirms the identity of a person who wants access.

Yes

No

Q420: Authorization grants the proper access to a legitimate user.

Yes

No

Authorization - To grant the proper access to a legitimate user.
Authorization is the process of establishing what level of access a legitimate user or service should have.

Q421: This question requires that you evaluate the underlined text to determine if it is correct.

You have an application that is comprised of an Azure web app that has a Service Level Agreement (SLA) of 99.95 percent and an Azure SQL database that has an SLA of 99.99 percent. The composite SLA for the application is the product of both SLAs, which equals 99.94 percent.

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

- a) No change is needed.
- b) the lowest SLA associated to the application, which is 99.95 percent
- c) the highest SLA associated to the application, which is 99.99 percent
- d) the difference between the two SLAs, which is 0.05 percent