50 QUESTION PRACTICE TEST - Results

Attempt 1

All domains ⌄

49 all   0 correct   0 incorrect   **49 skipped**   0 marked

Collapse all questions

● Question 1 Skipped   ⌃

Which of the following is the best approach when you need to copy large amount of files between two Azure Storage accounts?

○ **Storage Explorer**

○ **Download the files to your local machine and upload them to the new account**

○ **Use Azure API programmatically**

┌───┐
│ **Correct answer**   │
│   │
│ ○ **AzCopy**   │
└───┘

Overall explanation

AzCopy allows you to copy files between two Azure Storage accounts without having to download the files to your local machine. The other options are slower, and more expensive.

Domain

Storage Services

What benefit does Availability Sets provide when it comes to virtual machines in Azure?

○ **Allows you to monitor VM capacity and send alerts to the operations team.**

○ **Keeps virtual machines close together, for the fastest communication between them.**

○ **Can manage groups of virtual machines as one unit.**

Correct answer

○ **Physically and logically separates virtual machines so that if one goes down, the others do not go down.**

Overall explanation

Availability Sets allow you to tell Azure which virtual machines are identical, so that Azure will keep them apart physically inside the datacenter. This helps when there are either expected or unexpected downtime, by increasing the chances that one issue does not affect all VMs in a single Availability Set.

Domain

Core Azure products

Question 3 Skipped

What feature of a system makes it elastic?

○ The ability to withstand denial of service attacks

○ The ability to heal itself after a crash

Correct answer

○ **The ability of it to add and reduce capacity based on actual demand**

○ The ability of it to stay up (available) while updates are being made to the system

Overall explanation

Elasticity - the ability of a system to automatically grow when maximum capacity is reached, and automatically shrink to minimize waste
For more info: https://azure.microsoft.com/en-us/overview/what-is-elastic-computing/

Domain

Benefits of cloud services

● **Question 4** Skipped ⌃

What operating systems does Microsoft supply Azure Virtual Machine images for?

○ **Linux**

○ **Windows**

○ Windows, Linux and macOS

Correct answer

○ **Windows and Linux**

○ macOS

Overall explanation

Azure Virtual Machines support Windows and Linux
For more info: https://azure.microsoft.com/en-ca/services/virtual-machines/

Domain

Core Azure products

Question 5 Skipped ⌃

Which storage redundancy option is the cheapest?

Correct answer

○ **LRS**

○ **RA-GRS**

○ **ZRS**

○ **GRS**

Overall explanation

LRS (Locally Redundant Storage) has the lowest price of all the options.

Domain

Storage Services

● **Question 6** Skipped

What type of documents does the Microsoft Service Trust Portal provide?

○ **Specific recommendations about your usage of Azure and ways you can improve**

○ **Documentation on the individual Azure services and solutions**

○ **A tool that helps you manage your compliance to various standards**

Correct answer

○ **A list of standards that Microsoft follows, pen test results, security assessments, white papers, faqs, and other documents that can be used to show Microsoft's compliance efforts**

Overall explanation

A list of standards that Microsoft follows, pen test results, security assessments, white papers, faqs, and other documents that can be used to show Microsoft's compliance efforts
For more

info: https://servicetrust.microsoft.com/

Domain

Privacy and compliance

Question 7 Skipped

Which feature within Azure collects all of the logs from various resources into a central dashboard, where you can run queries, view graphs, and create alerts on certain events?

○ **Azure Portal Dashboard**

Correct answer

○ **Azure Monitor**

○ **Storage Account or Event Hub**

○ **Microsoft Defender for Cloud**

Overall explanation

Azure Monitor - a centralized dashboard that collects all the logs, metrics and events from your resources
For more info: https://docs.microsoft.com/en-us/azure/azure-monitor/overview

Domain

Monitoring and reporting

Question 8 Skipped

Which of the following best describes the concept of Single Sign-On (SSO) in Microsoft Entra ID?

○ A role-based access control policy that restricts access to specific Azure services

○ A method of encrypting data at rest in Azure

Correct answer

○ **A system that allows users to authenticate once and access multiple applications without re-entering credentials**

○ A virtual private network used to secure traffic between Azure regions

Overall explanation

Single-Sign On - the ability to use the same user ID and password to log into every application that your company has; enabled by Entra ID
For more info: https://docs.microsoft.com/en-us/azure/active-directory/manage-apps/what-is-single-sign-on

Domain

Azure Identity services

Question 9 Skipped

Which Microsoft Entra ID licenses (select two) are made available through Azure?

☐ **Basic**

☐ **Microsoft Entra ID Free**

☐ **Business Tier 1**

☐ **Microsoft Entra ID P1**

☐ **Enterprise Tier 2**

Overall explanation

Microsoft Entra ID provides the following licenses: Free, P1, P2, and Governance.

For more info: Microsoft Entra Plans & Pricing

Domain

Azure Identity services

● **Question 10** Skipped ⌃

Which of the following Azure Resources are required in order to have a virtual machine? Only choose services that are required, not ones that are optional.

☐ **Virtual Network**

Correct selection

☐ **Network Interface Card (NIC)**

☐ Public IP Address

Correct selection

☐ **Storage Account**

Overall explanation

A virtual machine needs a network card, storage and a virtual network. It does not need a public IP address. In fact, most Azure VMs are private and are not accessible from the Internet.

Domain

Compute Services

Question 11 Skipped

Which of the following elements is considered part of the network layer of network security?

○ **Locks on the data center doors**

Correct answer

○ **Separate servers into distinct subnets by role**

○ **Keep operating systems up to date with patches**

○ **Use a firewall**

Overall explanation

Subnets is part of network security
For more info: https://docs.microsoft.com/en-us/azure/security/fundamentals/network-overview

Domain

Security tools and features

● **Question 12** Skipped ∧

What is the primary purpose of a Resource Group in Azure?

○ **To provide a dedicated network for Azure virtual machines**

Correct answer

○ **To organize and manage related Azure resources as a single unit**

○ **To deploy applications across multiple Azure regions**

○ **To apply updates to virtual machines automatically**

Overall explanation

Resource Groups - a folder structure in Azure in which you organize resources like databases, virtual machines, virtual networks, or almost any resource
For more info: https://docs.microsoft.com/en-us/azure/azure-resource-manager/management/overview#resource-groups

Domain

Core Azure components

Question 13 Skipped

What types of resources are defined as "compute resources"?

○ **Only Virtual Machines**

○ **All resources that are listed in the Azure Marketplace**

<div>
Correct answer

○ **Resources that perform some type of task that requires CPU cycles to perform the work**
</div>

Overall explanation

Compute Services - a category of services in Azure that provides CPU cycles for rent. Virtual Machines are only one type of compute resource. The Marketplace contains many types of resources, not just compute.

For more info:

https://azure.microsoft.com/en-us/product-categories/compute/

https://azure.microsoft.com/en-us/product-categories/compute/

Domain

Core Azure products

⌃

How many availability zones are there in each region (for regions that have them)?

Correct answer

○ 3

○ 2

○ **Unlimited**

○ 1

Overall explanation

For regions that support availability zones, you can deploy your resources to zone 1, 2 or 3. There are 3 zones in each region.

Domain

Core Azure components

⌃

Which of the following best describes Azure Availability Zones?

○ **Unique physical locations within an Azure region that offer redundancy and high availability**

○ Logical groupings of Azure resources for management and billing purposes

○ Separate Azure subscriptions used to isolate workloads

○ Physical locations around the world where Azure services are hosted

Overall explanation

Availability Zones - Unique physical locations within an Azure region, made up of one or more data centers; there is a minimum of three zones in each region; you can manually place your resources in an availability zone for highest availability
For more info: https://docs.microsoft.com/en-us/azure/availability-zones/az-overview

Domain

Core Azure components

Question 16 Skipped

Which Azure Service gives you access to your own personalized Windows 10 or 11 desktop machine in the cloud, so that you can access your work files and applications whereever you go from any device?

○ Virtual Private Network

O **Azure Virtual Desktop**

O Private Link

O Azure App Services

Overall explanation

Azure Virtual Desktop lets you access a Windows 10 or Windows 11 virtual desktop using any device. You can get access to your work files and applications from a Windows device, Mac, iOS, Android or HTML5.

Domain

Compute Services

Question 17 Skipped

Which of the following scenarios would Azure Policy be a recommended method for enforcement?

O **Prevent certain Azure Virtual Machine instance types from being used in a resource group**

O **Allow only one specific roles of users to have access to a resource group**

○ Add an additional prompt when creating a resource without a specific tag to ask the user if they are really sure they want to continue?

○ Require a virtual machine to always update to the latest security patches

Overall explanation

Azure Policy can add restrictions on storage account SKUs, virtual machine instance types, and rules relating to tagging of resources and groups. It cannot prompt a user to ask them if they are sure.

Domain

Azure governance methodologies

● **Question 18** Skipped ∧

Which of the following elements is considered part of the perimeter layer of security?

○ Keep operating systems up to date with patches

○ Locks on the data center doors

○ Separate servers into distinct subnets by role

Correct answer

○ **Use a firewall**

Overall explanation

Firewall is part of the perimeter security

Domain

Security tools and features

Question 19 Skipped

What are the two features that Microsoft Entra ID provides? Choose two.

- [ ] **Azure DDoS Protection**

Correct selection

- [ ] **Authentication**

Correct selection

- [ ] **Application management**

- [ ] **Functions**

- [ ] **Log Analytics**

- [ ] **Logic Apps**

Overall explanation

Microsoft Entra ID provides many features, but only the two are listed.

Reference: https://learn.microsoft.com/en-us/entra/fundamentals/whatis

Domain

Azure Identity services

Question 20 Skipped

Which tool within the Azure Portal will make specific recommendations based on your actual usage for how you can improve your use of Azure?

○ **Azure Monitor**

○ **Azure Service Health**

○ **Azure Dashboard**

Correct answer

○ **Azure Advisor**

Overall explanation

Azure Advisor - a tool that will analyze your use of Azure and make you specific recommendations based on your usage across availability, security, performance and cost categories
For more info: https://docs.microsoft.com/en-us/azure/advisor/

Domain

Azure management tools

Question 21 Skipped

Which feature within Azure alerts you to service issues that happen in Azure itself, not specifically related to your own resources?

○ Azure Security Center

Correct answer

○ **Azure Service Health**

○ Azure Monitor

○ Azure Portal Dashboard

Overall explanation

Azure Service Health - lets you know about any Azure-related service issues including region-wide downtime
For more info: https://docs.microsoft.com/en-us/azure/service-health/overview

Domain

Monitoring and reporting

Question 22 Skipped

What Azure resource allows you to evenly split traffic coming in and direct it to several identical virtual machines to do the work and respond to the request?

○ Virtual Network

Correct answer

○ **Load Balancer or Application Gateway**

○ Azure Logic Apps

○ Azure App Services

Overall explanation

This is the core feature of either a Load Balancer or Application Gateway
For more info: https://docs.microsoft.com/en-us/azure/architecture/guide/technology-choices/load-balancing-overview

Domain

Core Azure products

● **Question 23** Skipped

Which of the following are examples of Azure Sovereign Regions?

☐ **Azure Brazil**

☐ **Azure South Africa**

☐ **Azure US Government**

☐ **Azure China**

Overall explanation

Azure Soverign Regions are dedicated to specific sovereign entities. They are separate from the main Azure Public Cloud network, and have specific region-level restrictions on them. Azure Australia is also an example of a sovereign region in that it's dedicated to government customers.
For more info: https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/migrate/azure-best-practices/multiple-regions

Domain

Core Azure components

Question 24 Skipped

Why would someone prefer a Consumption-based pricing model as opposed to a Time-based (Fixed) pricing model?

○ **The pricing model is simpler and easier to understand**

○ **It is always cheaper to pay for consumption than to pay by the hour**

○ You can easily predict the cost of the service into the future

Correct answer

○ **You can save a lot of money if you don't use the resource often as opposed to having it available for use 24/7**

Overall explanation

Consumption-Based Model - paying for something based on how much you used, as opposed to paying for something no matter if you use it or not.
For more info: https://docs.microsoft.com/en-us/azure/architecture/framework/cost/design-price

Domain

Benefits of cloud services

Question 25 Skipped

Which of the following are factors in Total Cost of Ownership? Choose all that apply.

Correct selection

☐ Cost of electricity

Correct selection

☐ Real estate costs

Correct selection

☐ **Cost to access the Internet**

☐ **Salary costs of employees managing the servers**

Overall explanation

All of the above. The total cost of running a server includes not only the cost of the machine (hardware), and the software, but also the costs of hosting that machine including electricity, real estate, Internet, and salaries of the employees needed to manage the machine.

Domain

Azure costs

Question 26 Skipped

With Azure public cloud, anyone with a valid credit card can sign up and get services immediately (subject to the usual country restrictions of course)

○ **FALSE**

Correct answer

○ **TRUE**

Overall explanation

Yes, Azure public cloud is open to the public in all countries that Azure supports.
For more info: https://azure.microsoft.com/en-gb/overview/what-is-a-public-cloud/

Domain

Public Private and Hybrid cloud

Question 27 Skipped

True or false: You cannot have more than one Azure subscription per company

Correct answer

○ **FALSE**

○ **TRUE**

Overall explanation

You can have multiple subscriptions, as a way to seperate out resources between billing units, business groups, or for any reason you wish.
For more info: https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/ready/azure-best-practices/scale-subscriptions

Domain

Azure subscriptions

Question 28 Skipped

Why is Azure App Services considered Platform as a Service?

○ **You are responsible for keeping the operating system up to date with the latest patches**

○ You can decide on what type of virtual machine it runs - A-series, or D-series, or even H-series

○ Azure App Services is not PaaS. It is Software as a Service.

Correct answer

○ **You give Azure the code and the configuration, and you have no access to the underlying hardware**

Overall explanation

PaaS - You give Azure the code and the configuration, and you have no access to the underlying hardware
For more info: https://azure.microsoft.com/en-us/overview/what-is-paas/

Domain

IaaS PaaS and SaaS

● **Question 29** Skipped

What is a core principle of Zero Trust?

Correct answer

○ **Assume your network has been breached already**

○ Don't store credit cards and other critical data in the cloud

○ **Require users to change their passwords frequently**

○ **Require users to log in every session**

Overall explanation

Assume your network has been breached already. This forces you to take a defensive posture even behind the firewall. All communications must be encrypted. All communications must be authenticated. Never assume any request made from a client to a server is authentic. Validate everything.

Domain

Azure Identity services

Question 30 Skipped

True or false: Azure charges for bandwidth used inbound to Azure

○ **TRUE**

Correct answer

○ **FALSE**

Overall explanation

Ingress bandwidth is free. You pay for egress (outbound).
For more info: https://azure.microsoft.com/en-us/pricing/details/bandwidth/

Domain

Azure costs

Question 31 Skipped

How does Multi-Factor Authentication make a system more secure?

○ It allows the user to log in without a password because they have already previously been validated using a browser coookie

○ It doesn't make it more secure

Correct answer

○ **It requires the user to have access to an additional device for identity verification**

○ It is another password that a user has to memorize, making it more secure

Overall explanation

Multi-Factor Authentication (MFA) - the concept of having something additional to a password" that is required to log in; passwords are findable or guessable; but having your mobile phone on you to receive a phone call, text or run an app to get a code is harder for a unknown hacker to getFor more info: https://docs.microsoft.com/en-us/azure/active-directory/authentication/concept-mfa-howitworks"

Domain

Azure Identity services

Question 32 Skipped

Which of the following services would NOT be considered Infrastructure as a Service?

Correct answer

○ **Azure Functions App**

○ Virtual Network Interface Card (NIC)

○ Virtual Machine

○ Virtual Network

Overall explanation

Functions are small pieces of code that you give to Azure to run for you, and you have no access to the underlying infrastructure.
For more info: https://azure.microsoft.com/en-us/overview/what-is-iaas/

Domain

IaaS PaaS and SaaS

Question 33 Skipped

Which of the following best describes the primary purpose of Microsoft Purview?

○ **A service for hosting virtual machines in the cloud**

○ A platform for building and deploying containerized applications

Correct answer

○ **A unified data governance solution to help manage and protect data across an organization**

○ A tool for creating custom machine learning models

Overall explanation

Microsoft Purview is a **data governance and compliance solution** provided by Microsoft. Its primary goal is to help organizations:

- **Discover data** across various sources (on-premises, Azure, Microsoft 365, and even non-Microsoft clouds)
- **Classify and label sensitive information** (like credit card numbers, health data, etc.)
- **Monitor data usage and movement** across environments
- **Ensure compliance** with data protection regulations like GDPR or HIPAA

Domain

Privacy and compliance

Question 34 Skipped

What is the benefit of economies of scale?

○ **Big companies don't need to make a profit on every sale**

Correct answer

○ **The more you buy of something, the cheaper it is for you**

○ Big companies don't need to make a profit on the first product they sell you, because they will on the second

○ Prices of cloud servers and services are always going down. It'll be cheaper next year than it is this year.

Overall explanation

Economies of scale - the more you buy something, the cheaper it is per unit to buy
For more info: https://www.microsoft.com/en-us/microsoft-365/business-insights-ideas/resources/how-economies-of-scale-affect-small-businesses

Domain

Benefits of cloud services

● **Question 35** Skipped

True or false: Microsoft Entra ID is a network gateway that load balances user logins using a CDN (Content Delivery Network).
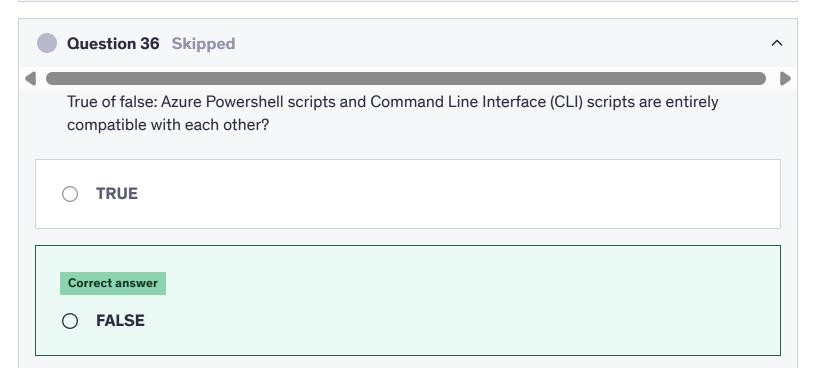
○ TRUE

Correct answer

○ **FALSE**

Overall explanation

No, Microsoft Entra ID is an enterprise identity service that provides single sign-on and multi-factor authentication.
For more info: https://learn.microsoft.com/en-us/entra/fundamentals/whatis

Domain

Azure Identity services

Question 36 Skipped

True of false: Azure Powershell scripts and Command Line Interface (CLI) scripts are entirely compatible with each other?

○ **TRUE**

Correct answer

○ **FALSE**

Overall explanation

No, PowerShell is it's own language, different than CLI
For more info: https://devblogs.microsoft.com/premier-developer/choosing-the-right-tooling-for-azure-and-side-by-side-azure-cli-and-powershell-commands/
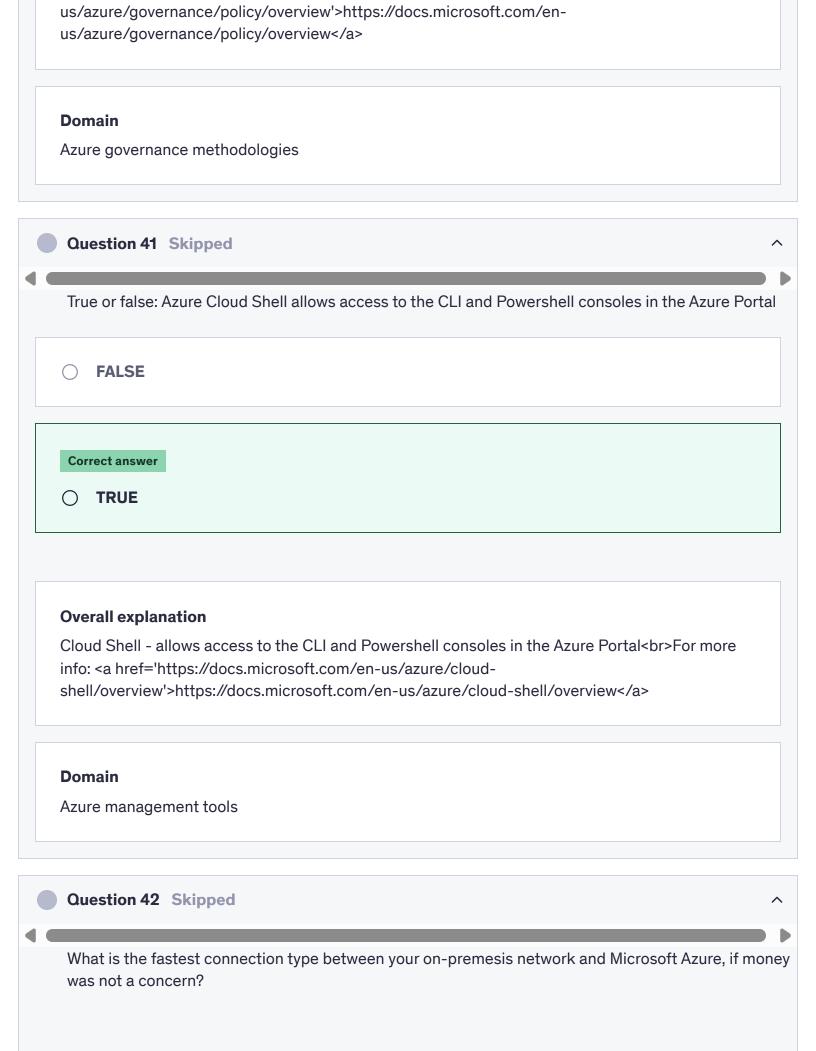
Domain

Azure management tools

Which Azure technology allows you to manage virtual machines running in Azure, in your own environment, and in other environments such as AWS?

○ **Azure Virtual Desktop**

Correct answer

○ **Azure Arc**

○ **Azure Monitor**

○ **Azure Kubernetes Service**

Overall explanation

Azure Arc is a set of services that allow you to manage non-Azure resources as if they were in Azure. You can see their status, and interact with them in Azure.

Domain

Azure management tools

What benefit does Azure Scalesets provide when it comes to virtual machines in Azure?

○ **Keeps virtual machines close together, for the fastest communication between them.**

O **Can manage groups of virtual machines as one unit.**

O Allows you to monitor VM capacity and send alerts to the operations team.

O Physically separates virtual machines so that if one goes down, the others do not go down.

Overall explanation

Scalesets are groups of virtual machines, managed as a single unit. You can set rules for scaling up or scaling down.
For more info: https://docs.microsoft.com/en-us/azure/virtual-machine-scale-sets/overview

Domain

Core Azure products

Question 39 Skipped

What Azure tool gives you the ability to manage multiple subscriptions into nested hierarchies?

O **Management Groups**

O **Resource Groups**

○ **Microsoft Entra ID**

○ **RBAC**

Overall explanation

Management Groups - a hierarchy of subscriptions; can have many subscriptions, and group them, and put those groups into other groups
For more info: https://docs.microsoft.com/en-us/azure/governance/management-groups/overview

Domain

Azure subscriptions

● **Question 40** Skipped

True or false: you can create your own policies if built-in Azure Policy is not sufficient to your needs

Correct answer

○ **TRUE**

○ **FALSE**

Overall explanation

True, you can create custom policies using JSON
For more info: <a href='https://docs.microsoft.com/en-

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

Domain

Azure governance methodologies

Question 41 Skipped   ︿

True or false: Azure Cloud Shell allows access to the CLI and Powershell consoles in the Azure Portal

○ **FALSE**

Correct answer

○ **TRUE**

Overall explanation

Cloud Shell - allows access to the CLI and Powershell consoles in the Azure Portal
For more
info: <a href='https://docs.microsoft.com/en-us/azure/cloud-
shell/overview'>https://docs.microsoft.com/en-us/azure/cloud-shell/overview

Domain

Azure management tools

Question 42 Skipped   ︿

What is the fastest connection type between your on-premesis network and Microsoft Azure, if money
was not a concern?

○ **Private Link**

○ **Site-to-Site VPN**

Correct answer

○ **Express Route**

○ **Point-to-Site VPN**

Overall explanation

Express Route is a private connection from your data center to a Microsoft Azure partner, which has a direct fiberoptic connection into Azure. If you're looking for reliable, high-speed connections into Azure, you should be looking at Express Route.

Domain

Networking Services

● **Question 43** Skipped

True or False: An Azure Storage Account can have both a public endpoint and a private endpoint at the same time.

○ **FALSE**

Correct answer

○ **TRUE**

Overall explanation

The public endpoint can be enabled, restricted to certain networks or disabled. Multiple private endpoints can be created. There is no restriction preventing you from having both a public endpoint accessible from the Internet and one or more private endpoints as well.

Domain

Networking Services

Question 44 Skipped

Which Azure technology allows you to log in to Microsoft Entra ID device or application using your face, a PIN code, or a gesture instead of having to type a password?

○ **AD Conditional Access**

Correct answer

○ **Passwordless**

○ Microsoft Defender for Cloud

○ Multi-Factor Authentication

Overall explanation

Passwordless authentication makes it easier to log into your Microsoft Entra ID (Azure AD) accounts using your face, a PIN, or a gesture instead of having to remember a password. This increases convenience without reducing security. It does this because you've logged into that device before, and it remembers you. One of the downsides to additional security measures (like Multi-factor authentication) is that it reduces convenience in order to increase security.

Domain

Azure Identity services

Question 45 Skipped

It can be said that most services in Azure have a public endpoint by default. What is a public endpoint?

Correct answer

○ **Enables access to your data or application from outside the virtual network.**

○ **Blocks access to your applications and data from inside Azure.**

○ **Provides you a static IP address for which the outside world can use to communicate with your application.**

○ **Provides you a static IP address from which your application always uses to communicate with the outside world.**

Overall explanation

A public endpoint is effectively a URL that you can use to access data and applications from outside a virtual network. This includes the public Internet. Applications inside Azure can also access this using the public endpoint. Of course, there is often additional security on the application or data to prevent malicious use of this endpoint.

Domain

Core Azure products

True or False: Under the Infrastructure as a Service model, Azure is responsible for managing the physical host, physical network, and physical datacenter.

○ FALSE

Correct answer

○ TRUE

Overall explanation

Yes, Azure still manages the hardware itself, the hypervisor and all of the physical elements behind the scenes
For more info: https://docs.microsoft.com/en-us/azure/security/fundamentals/shared-responsibility

Domain

IaaS PaaS and SaaS

True or False: Azure is a public cloud, and has no private cloud offerings

Correct answer

○ FALSE

○ TRUE

Overall explanation

Some aspects of Azure are not open to the public and require a private agreement with Microsoft such as Azure Government and DoD services
For more info: https://azure.microsoft.com/en-us/overview/what-are-private-public-hybrid-clouds/

Domain

Public Private and Hybrid cloud

Question 48 Skipped

What affect does using a "read only" resource lock on a Azure Storage Account have?

○ **The data on the storage account cannot change.**

○ **A resource lock has no affect on a storage account.**

Correct answer

○ **The storage account cannot have its properties altered but it doesn't affect the data itself.**

○ **Only admin users can update the contents of the storage account.**

Overall explanation

Resource Locks only affect your ability to make changes to a resource within Azure but do not affect the resource itself. For instance, a resource lock on a virtual machine still allows the VM to

operate but will prevent someone from restarting a VM. Similarly, a resource lock on a storage account only affects the Azure properties of the account.

Domain

Azure governance methodologies

Question 49 Skipped

What is Azure's preferred Identity/authentication service?

Correct answer

○ **Microsoft Entra ID (formerly Azure Active Directory)**

○ **Network Security Group**

○ **Facebook Connect**

○ **Live Connect**

Overall explanation

Microsoft Entra ID (formerly Azure Active Directory) - Microsoft's preferred Identity as a Service solution
For more info: https://learn.microsoft.com/en-us/entra/fundamentals/whatis

Domain

Azure Identity services