

Microsoft AZ-104: Azure Administrator Practice Test

Question 1

You are a cloud engineer at FinBank Ltd., deploying a customer-facing web app. The team wants automatic scaling based on CPU usage to ensure high availability during peak hours.

Answer: Scale Out with autoscale rules

Question 2

A helpdesk admin at CloudRetail Corp. accidentally deletes a user account. The manager panics, thinking the account is lost forever.

"In Microsoft Entra ID, a deleted user account can be restored within 30 days."

Answer: True

Question 3

You are a cloud engineer at MediLink Health, tasked with setting up a patient portal. The portal needs to be accessed securely from the internet, and traffic must be distributed evenly across multiple Azure VMs.

Answer: Public Load Balancer

Question 4

At MediTech Global, the operations team is planning Azure region deployment. They want to ensure resilience and compliance with local regulations. Which considerations are correct when selecting a region? (Choose 2)

Answer:

- Pairing of regions for high availability
 - Data residency requirements
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Question 5

You are a cloud administrator at TechLogix Corp. Your team is expanding operations into a new Azure region. They need to connect an existing VNet in East US with a new VNet in West Europe using Azure's backbone, without exposing traffic to the internet.

Answer: VNet Peering (Global)

Question 6

At GlobalPharma, the IT lead suggests using Azure Private DNS zones to replace their custom DNS servers. *"Private DNS zones in Azure can provide name resolution across VNets and eliminate the need for custom DNS solutions."*

Answer: True

Question 7

You join EduTech University as a cloud solutions architect. A junior asks you to explain key sections of a JSON ARM template. Match each JSON section with its purpose:

- **Outputs:** Returns values after deployment for use elsewhere
 - **Variables:** Stores values you want to reuse throughout the template
 - **Parameters:** Allows configurable input values during deployment
 - **Resources:** Defines Azure services and components to deploy
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Question 8

Your manager at GreenEnergy Corp is debating whether to scale up a single powerful VM or scale out with multiple smaller VMs. They want flexibility and automation.

Answer: Horizontal Scaling

Question 9

Your company, CloudRetail Corp., is adopting Bicep for deployments. They want to know what additional capabilities Bicep provides. (Choose 2)

Answer:

- Automatically detect resource dependencies
 - Provide smaller modules that can be referenced in main templates
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Question 10

At MediTech Global, the team is setting up DNS delegation. Match the DNS concept with its description:

- **Custom Domain Verification:** Proves ownership of a domain added to Azure DNS
 - **Alias Record:** Points subdomains or resources dynamically within Azure
 - **DNS Zone:** Hosts the DNS records for a specific domain
 - **NS Records:** Used when delegating a domain to Azure DNS by updating registrar
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Question 11

You are working at CloudRetail Corp. to configure Azure DNS for hosting domains. Which of the following are correct about Azure DNS? (Choose 2)

Answer:

- DNS zones host DNS records for a domain
 - When a new tenant is created, it comes with a default domain in the form `domainname.onmicrosoft.com`
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Question 12

You are the lead cloud architect at GlobalPharma, tasked with cost optimization. The CFO asks how billing information can be logically rolled up for departments like R&D, Sales, and HR.

Answer: Resource Tagging

Question 13

You are briefing junior admins at BrightBank about Azure RBAC concepts. Match each concept to a definition:

- **Scope:** Defines the boundary of access such as subscription or resource group
 - **Role Definition:** Collection of permissions (allowed actions)
 - **Role Assignment:** Attaching a role definition to a principal at a scope
 - **Security Principal:** User, group, or service principal requesting access
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Question 14

At EcoEnergy Solutions, an admin applied a resource lock at the subscription level to protect critical workloads. A developer insists resources inside the subscription can still be deleted by owners.

"Resource locks at the subscription level prevent deletion of any resource within that subscription."

Answer: True

Question 15

The IT security team at BrightBank Ltd. wants to apply best practices when generating SAS tokens. Which are recommended? (Choose 2)

Answer:

- Always use HTTPS when generating or distributing SAS
 - Reference stored access policies where possible
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Question 16

You are asked to review Azure Storage options. Match the storage type to its use case:

- **Azure File Storage:** Managed SMB file shares for lift-and-shift applications

- **Azure Queue Storage:** Reliable messaging between application components
 - **Azure Table Storage:** NoSQL store for structured, non-relational datasets
 - **Azure Blob Storage:** Massively scalable object storage for unstructured data
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Question 17

At EduTech University, the IT team wants to group virtual machines logically (e.g., web servers and app servers) to simplify rule management.

Answer: Application Security Group

Question 18

At MediLink Health, your compliance officer asks how to protect data in case of hardware, zone, or regional failures. Which replication strategies provide resiliency across multiple regions? (Choose 2)

Answer:

- RA-GZRS (Read-Access Geo-Zone-Redundant Storage)
 - GPS (Geo-Redundant Storage)
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Question 19

You are securing access to an Azure Storage account for BrightBank Ltd. The company wants VMs in a specific subnet to access the storage service privately over the Azure backbone, not the public internet.

Answer: Service Endpoint

Question 20

At GlobalPharma, the IT team is designing subnets within a VNet. They want to ensure security and easier management. Which of the following are characteristics of subnets in Azure? (Choose 2)

Answer:

- Provide logical divisions within a virtual network
 - Improve security and performance management
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Question 21

You are a storage administrator at Cloud Retail Ltd, where the analytics team needs a massively scalable store for unstructured text and binary data, including images and video files.

Answer: Azure Blob Storage

Question 22

You are helping FinSecure Ltd. choose between scaling methods for App Services. Match the scaling type to its description:

- **Manual Scaling:** Requires admin to change number of instances manually
 - **Autoscale:** Increase/decrease number of VM instances automatically
 - **Scale Out:** Horizontal scaling across instances
 - **Scale Up:** Add more CPU, memory, or storage to the plan
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Question 23

You are planning maintenance strategies for VMs at TechWave Ltd. Match the event type with the appropriate Azure platform action:

- **Planned Maintenance:** Live migration initiated
 - **Unexpected Downtime:** No action required from the user
 - **Unplanned Hardware Maintenance:** Automatically migrate (heal) the VM
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Question 24

You are an IT administrator at CloudRetail Corp. tasked with creating a new subscription for the marketing team. The finance manager asks who can actually create Azure subscriptions.

Answer: Only identities in Microsoft Entra ID or a trusted directory

Question 25

Researchers at Contoso Global Pharma need to store frequently accessed clinical trial files, while archival data should go into a cheaper long-term tier.

Answer: Archive Tier

Question 26

Your team at ShopSphere Ltd. is reviewing App Service deployment slot features. Match each slot-related capability with its purpose:

- **Staging Slot:** Used for validating changes before pushing to production
 - **Custom Domain Mapping:** Redirects default app URL to a branded domain
 - **Auto Swap:** Ensures a smooth, zero-downtime switch to production
 - **Slot-Specific Settings:** Keeps configurations unique between slots (e.g., connection strings)
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Question 27

You are a network administrator at FinSecure Ltd, tasked with deploying a secure application in Azure. The team wants to logically represent their own network and extend it securely to Azure.

Answer: Virtual Network

Question 28

At ShopSphere Ltd, you're configuring an internal accounting application where traffic must stay inside the company's private network and never be exposed to the internet.

Answer: Multi-tier applications inside a VNet / Line-of-business apps within the VNet / Cross-premises traffic via VPN

(Supported scenarios by Internal Load Balancer)

Question 29

A fintech company, PayCloud Systems, wants to redirect client traffic based on different URL paths (e.g., /loans to one backend pool and /cards to another) using Application Gateway.

Answer: Path-based routing

Question 30

The dev team at Contoso Global Pharma wants to deploy containerized microservices quickly without managing virtual machines or Kubernetes clusters.

Answer: Azure Container Instances (ACI)

Question 31

You are a cloud engineer at MediHealth Systems. The DevOps team wants to automate VM operations using the Azure CLI. Which command will restart a VM named **MyVm** in resource group **MyResourceGroup**?

Answer: `az vm restart -g MyResourceGroup -n MyVm`

Question 32

You are working at EduSmart University. A colleague states: App Service backups can be configured for Free and Shared plans.

Answer: False

Question 33

You are onboarding at FinSecure Ltd. and need to explain the Azure resource hierarchy to a new admin. Match the hierarchy levels with their purpose:

- **Management Group:** Provides scope above subscriptions for policy and budget inheritance

- **Subscription:** Logical unit of Azure services linked