QUESTION 34
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

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You have an Azure Storage v2 account named

storage1. You plan to archive data to storage1.

You need to ensure that the archived data cannot be deleted for five years. The solution must prevent administrators from deleting the data. Solution: You create a file share, and you configure an access policy.

Does this meet the goal?

A. Yes
B. No

Correct Answer: B
Explanation

Explanation/Reference:
Explanation:
Instead of a file share, an immutable Blob storage is required.

Time-based retention policy support: Users can set policies to store data for a specified interval. When a time-based retention policy is set, blobs can be created and read, but not modified or deleted. After the retention period has expired, blobs can be deleted but not overwritten.

Note: Set retention policies and legal holds

1. Create a new container or select an existing container to store the blobs that need to be kept in the immutable state. The container must be in a general-purpose v2 or Blob storage account.

2. Select Access policy in the container settings. Then select Add policy under Immutable blob storage.

3. To enable time-based retention, select Time-based retention from the drop-down menu.

4. Enter the retention interval in days (acceptable values are 1 to 146000 days).

Reference:
https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-immutable-storage

https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-immutability-policies-manage

QUESTION 35
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You have an on-premises Hyper-V cluster that hosts 20 virtual machines. Some virtual machines run Windows Server 2016 and some run Linux.

You plan to migrate the virtual machines to an Azure subscription.

You need to recommend a solution to replicate the disks of the virtual machines to Azure. The solution must ensure that the virtual machines remain available during the migration of the disks.

Solution: You recommend implementing an Azure Storage account, and then running

`AzCopy`. Does this meet the goal?

A. Yes
B. No

Correct Answer: B
Explanation

Explanation/Reference:
Explanation:
AzCopy only copy files, not the

disks. Instead use Azure Site
Recovery.

Reference:https://docs.microsoft.com/en-us/azure/site-recovery/site-recovery-overview

QUESTION 36
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You plan to migrate the virtual machines to an Azure subscription.

You need to recommend a solution to replicate the disks of the virtual machines to Azure. The solution must ensure that the virtual machines remain available during the migration of the disks.

Solution: You recommend implementing an Azure Storage account that has a file service and a blob service, and then using the Data Migration Assistant.

Does this meet the goal?

A. Yes
B. No

Correct Answer: B
Explanation

Explanation/Reference:
Explanation:
Data Migration Assistant is used to migrate SQL
databases. Instead use Azure Site Recovery.

Reference:
https://docs.microsoft.com/en-us/azure/site-recovery/site-recovery-overview

QUESTION 37
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You plan to migrate the virtual machines to an Azure subscription.

You need to recommend a solution to replicate the disks of the virtual machines to Azure. The solution must ensure that the virtual machines remain available during the migration of the disks.

Solution: You recommend implementing a Recovery Services vault, and then using Azure Site

Recovery. Does this meet the goal?

A. Yes
B. No

Correct Answer: A
Explanation

Explanation/Reference:
Explanation:
Site Recovery can replicate on-premises VMware VMs, Hyper-V VMs, physical servers (Windows and Linux), Azure Stack VMs to Azure.
Note: 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 secondary location, and access apps from there. After the primary location is running again, you can fail back to it.

Reference:
https://docs.microsoft.com/en-us/azure/site-recovery/site-recovery-overview

QUESTION 38
You are designing a storage solution that will use Azure Blob storage. The data will be stored in a cool access tier or an archive access tier based on the access patterns of the data.

You identify the following types of infrequently accessed

- data: Telemetry data: Deleted after two years
- Promotional material: Deleted after 14 days
- Virtual machine audit data: Deleted after 200 days

A colleague recommends using the archive access tier to store the

data. Which statement accurately describes the recommendation?

A. Storage costs will be based on a minimum of 30 days.
B. Access to the data is guaranteed within five minutes.
C. Access to the data is guaranteed within 30 minutes.
D. Storage costs will be based on a minimum of 180 days.

Correct Answer: D
Explanation

Explanation/Reference:
Explanation:
The following table shows a comparison of premium performance block blob storage, and the hot, cool, and archive access tiers.

	Premium performance	Hot tier	Cool tier	Archive tier
Availability	99.9%	99.9%	99%	Offline
Availability (RA-GRS reads)	N/A	99.99%	99.9%	Offline
Usage charges	Higher storage costs, lower access, and transaction cost	Higher storage costs, lower access, and transaction costs	Lower storage costs, higher access, and transaction costs	Lowest storage costs, highest access, and transaction costs
Minimum object size	N/A	N/A	N/A	N/A
Minimum storage duration	N/A	N/A	30 days[1]	180 days
Latency (Time to first byte)	Single-digit milliseconds	milliseconds	milliseconds	hours[2]

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

QUESTION 39
You are planning to deploy an application named App1 that will run in containers on Azure Kubernetes Service (AKS) clusters. The AKS clusters will be distributed across four Azure regions.

You need to recommend a storage solution for App1. Updated container images must be replicated automatically to all the AKS clusters.

Which storage solution should you recommend?

A. Azure Cache for Redis
B. Azure Content Delivery Network (CDN)
C. Premium SKU Azure Container Registry
D. geo-redundant storage (GRS) accounts

Correct Answer: C
Explanation

Explanation/Reference:
Explanation:
Enable geo-replication for container images.
Best practice: Store your container images in Azure Container Registry and geo-replicate the registry to each AKS region.

To deploy and run your applications in AKS, you need a way to store and pull the container images. Container Registry integrates with AKS, so it can securely store your container images or Helm charts. Container Registry supports multimaster geo-replication to automatically replicate your images to Azure regions around the world.

Geo-replication is a feature of Premium SKU container

registries. Note:
When you use Container Registry geo-replication to pull images from the same region, the results are:

Faster: You pull images from high-speed, low-latency network connections within the same Azure region.
More reliable: If a region is unavailable, your AKS cluster pulls the images from an available container registry. Cheaper: There's no network egress charge between datacenters.

Reference:
https://docs.microsoft.com/en-us/azure/aks/operator-best-practices-multi-region

QUESTION 40
You have an on-premises network and an Azure subscription. The on-premises network has several branch offices.

A branch office in Toronto contains a virtual machine named VM1 that is configured as a file server. Users access the shared files on VM1 from all the

offices. You need to recommend a solution to ensure that the users can access the shared files as quickly as possible if the Toronto branch office is

inaccessible.

What should you include in the recommendation?

A. an Azure file share and Azure File Sync
B. a Recovery Services vault and Windows Server Backup
C. a Recovery Services vault and Azure Backup
D. Azure blob containers and Azure File Sync

Correct Answer: A
Explanation

Explanation/Reference:
Explanation:
Use Azure File Sync to centralize your organization's file shares in Azure Files, while keeping the flexibility, performance, and compatibility of an on-premises file server. Azure File Sync transforms Windows Server into a quick cache of your Azure file share.

You need an Azure file share in the same region that you want to deploy Azure File

Sync. Incorrect Answer:
C: Backups would be a slower solution.

Reference:
https://docs.microsoft.com/en-us/azure/storage/files/storage-sync-files-deployment-guide

QUESTION 41
You deploy two instances of an Azure web app. One instance is in the East US Azure region and the other instance is in the West US Azure region. The web app uses Azure Blob storage to deliver large files to end users.

You need to recommend a solution for delivering the files to the users. The solution must meet the following

- requirements: Ensure that the users receive files from the same region as the web app that they access.
- Ensure that the files only need to be uploaded once.
- Minimize costs.

What should you include in the recommendation?

A. Distributed File System (DFS)
B. read-access geo-redundant storage (RA-GRS)
C. Azure File Sync
D. geo-redundant storage (GRS)

Correct Answer: B
Explanation

Explanation/Referene:

QUESTION 42
You are developing a web application that provides streaming video to users. You configure the application to use continuous integration and deployment.

The app must be highly available and provide a continuous streaming experience for users.

You need to recommend a solution that allows the application to store data in a geographical location that is closest to the

user. What should you recommend?

A. Azure Content Delivery Network (CDN)
B. Azure Redis Cache
C. Azure App Service Web Apps
D. Azure App Service Isolated

Correct Answer: A
Explanation

Explanation/Reference:
Explanation:
Azure Content Delivery Network (CDN) is a global CDN solution for delivering high-bandwidth content. It can be hosted in Azure or any other location. With Azure CDN, you can cache static objects loaded from Azure Blob storage, a web application, or any publicly accessible web server, by using the closest point of presence (POP) server. Azure CDN can also accelerate dynamic content, which cannot be cached, by leveraging various network and routing optimizations.

Reference:
https://docs.microsoft.com/en-in/azure/cdn/

QUESTION 43
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You need to deploy resources to host a stateless web app in an Azure subscription. The solution must meet the following

- requirements: Provide access to the full .NET framework.
- Provide redundancy if an Azure region fails.
- Grant administrators access to the operating system to install custom application dependencies.

Solution: You deploy a virtual machine scale set that uses

autoscaling. Does this meet the goal?

A. Yes
B. No

Correct Answer: B
Explanation

Explanation/Reference:
Explanation:
Instead, you should deploy two Azure virtual machines to two Azure regions, and you create a Traffic Manager profile.

QUESTION 44
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

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You need to deploy resources to host a stateless web app in an Azure subscription. The solution must meet the following requirements:

- Provide access to the full .NET framework.
- Provide redundancy if an Azure region fails.
- Grant administrators access to the operating system to install custom application dependencies.

Solution: You deploy two Azure virtual machines to two Azure regions, and you deploy an Azure Application Gateway.

Does this meet the goal?

A. Yes
B. No

Correct Answer: B
Explanation

Explanation/Reference:
Explanation:
You need to deploy two Azure virtual machines to two Azure regions, but also create a Traffic Manager profile.