HOTSPOT
-

You plan to deploy a containerized web-app that will be hosted in five Azure Kubernetes Service (AKS) clusters. Each cluster will be hosted in a different Azure region.

You need to provide access to the app from the internet. The solution must meet the following requirements:

• Incoming HTTPS requests must be routed to the cluster that has the lowest network latency.
• HTTPS traffic to individual pods must be routed via an ingress controller.
• In the event of an AKS cluster outage, failover time must be minimized.

What should you include in the solution? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

For global load balancing: [ ]
- Azure Front Door
- Azure Traffic Manager
- Cross-region load balancing in Azure
- Standard Load Balancer

As the ingress controller: [ ]
- Azure Application Gateway
- Azure Standard Load Balancer
- Basic Azure Load Balancer

Correct Answer:

Answer Area

For global load balancing: [ ]
- Azure Front Door
- Azure Traffic Manager
- Cross-region load balancing in Azure
- Standard Load Balancer

As the ingress controller: [ ]
- Azure Application Gateway
- Azure Standard Load Balancer
- Basic Azure Load Balancer

HOTSPOT
-

You have an Azure subscription.

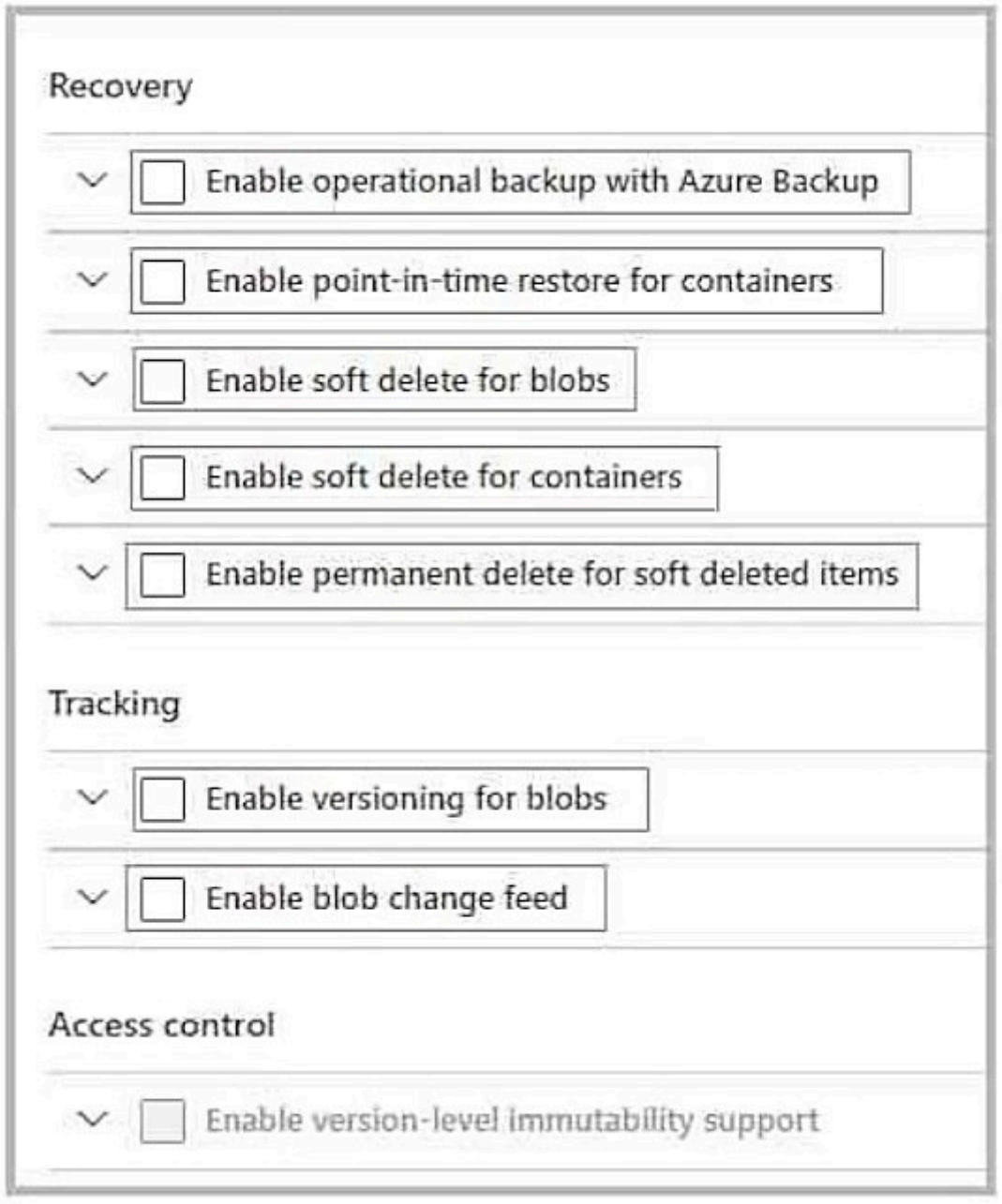
You create a storage account that will store documents.

You need to configure the storage account to meet the following requirements:

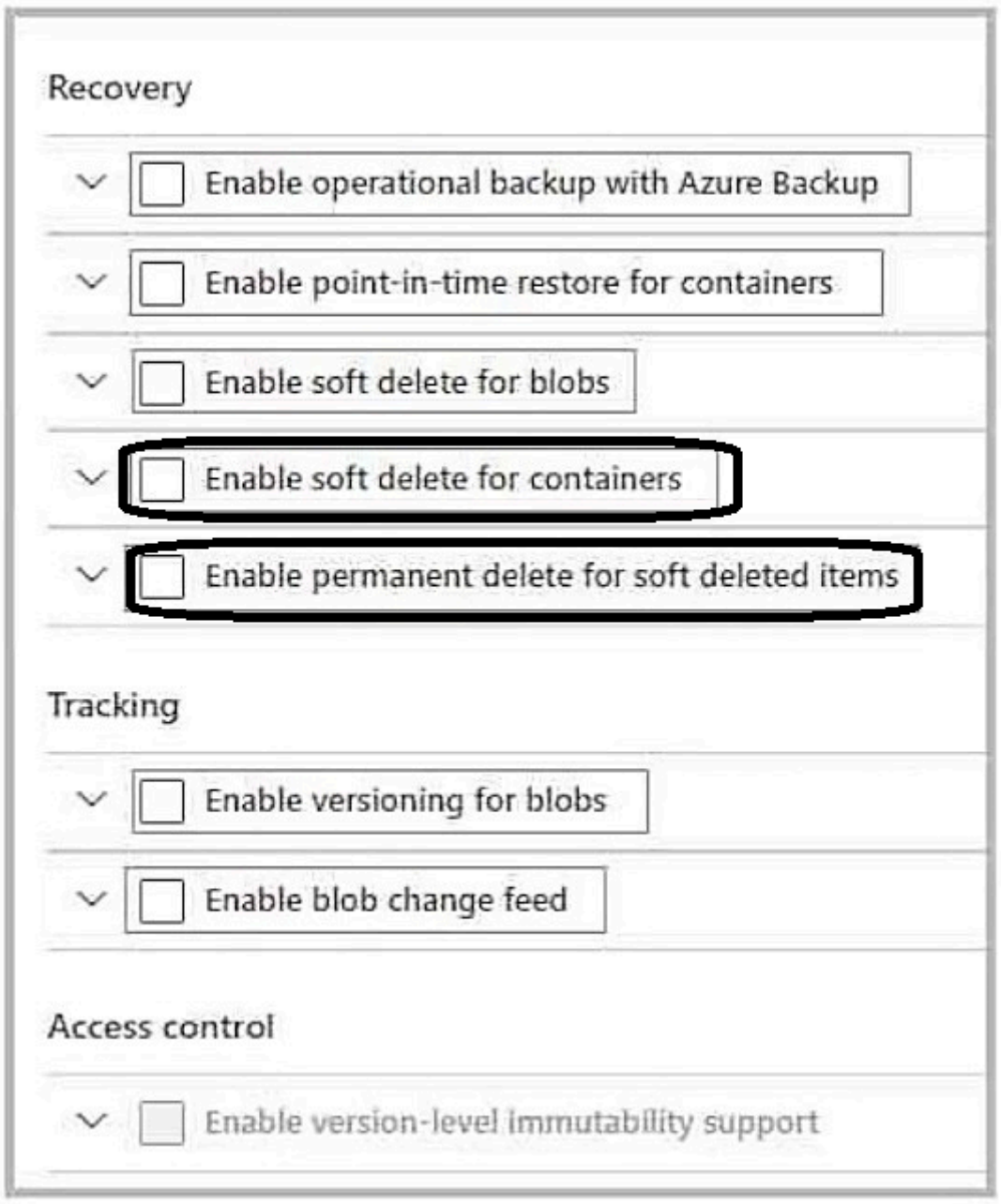
• Ensure that retention policies are standardized across the subscription.
• Ensure that data can be purged if the data is copied to an unauthorized location.

Which two settings should you enable? To answer, select the appropriate settings in the answer area.

NOTE: Each correct selection is worth one point.



Correct Answer:



HOTSPOT
-

You have an Azure subscription.

You are designing a solution for containerized apps. The solution must meet the following requirements:

- Automatically scale the apps by creating additional instances.
- Minimize administrative effort to maintain nodes and clusters.
- Ensure that containerized apps are highly available across multiple availability zones.
- Provide a central location for the lifecycle management and storage of container images.

What should you include in the solution? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

To run the containerized apps:
- Azure Container Apps
- Azure Container Instances
- Azure Container Registry
- Azure Kubernetes Service (AKS)

For the lifecycle management and storage of container images:
- Azure Container Apps
- Azure Container Instances
- Azure Container Registry
- Azure Service Fabric

Correct Answer:

Answer Area

To run the containerized apps: Azure Container Apps

For the lifecycle management and storage of container images: Azure Container Registry

Question #27 *Topic 3*

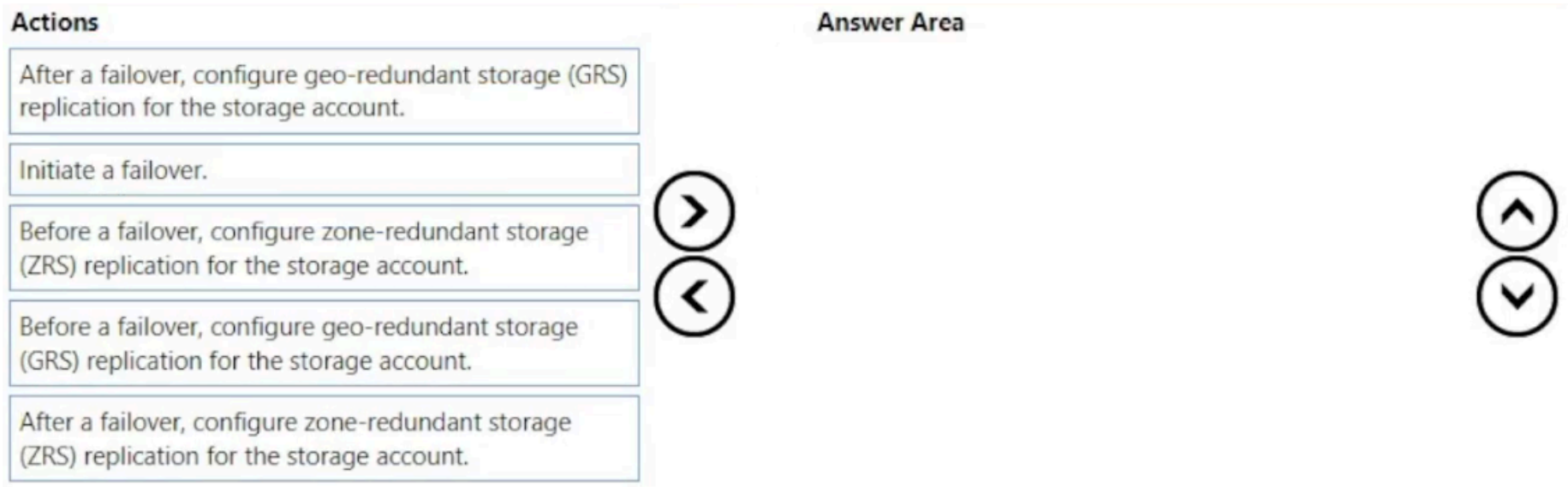
DRAG DROP
-

You plan to use Azure Storage to store data assets.

You need to identify the procedure to fail over a general-purpose v2 account as part of a disaster recovery plan. The solution must meet the following requirements:

• Apps must be able to access the storage account after a failover.
• You must be able to fail back the storage account to the original location.
• Downtime must be minimized.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.



Correct Answer:

Topic 4 - Question Set 4

Question #1 *Topic 4*

You have an Azure subscription that contains a Basic Azure virtual WAN named VirtualWAN1 and the virtual hubs shown in the following table.

Name	Location
Hub1	US East
Hub2	US West

You have an ExpressRoute circuit in the US East Azure region.
You need to create an ExpressRoute association to VirtualWAN1.
What should you do first?

A. Upgrade VirtualWAN1 to Standard.

B. Create a gateway on Hub1.

C. Enable the ExpressRoute premium add-on.

D. Create a hub virtual network in US East.

Correct Answer: *A*
A basic Azure virtual WAN does not support express route. You have to upgrade to standard.
Reference:
https://docs.microsoft.com/en-us/azure/virtual-wan/virtual-wan-about

Community vote distribution

A (100%)

Question #2 *Topic 4*

You have an Azure subscription that contains a storage account.
An application sometimes writes duplicate files to the storage account.
You have a PowerShell script that identifies and deletes duplicate files in the storage account. Currently, the script is run manually after approval from the operations manager.
You need to recommend a serverless solution that performs the following actions:
☞ Runs the script once an hour to identify whether duplicate files exist
☞ Sends an email notification to the operations manager requesting approval to delete the duplicate files
☞ Processes an email response from the operations manager specifying whether the deletion was approved
☞ Runs the script if the deletion was approved
What should you include in the recommendation?

A. Azure Logic Apps and Azure Event Grid

B. Azure Logic Apps and Azure Functions

C. Azure Pipelines and Azure Service Fabric

D. Azure Functions and Azure Batch

Correct Answer: *B*
You can schedule a powershell script with Azure Logic Apps.
When you want to run code that performs a specific job in your logic apps, you can create your own function by using Azure Functions. This service helps you create Node.js, C#, and F# functions so you don't have to build a complete app or infrastructure to run code. You can also call logic apps from inside Azure functions.
Reference:
https://docs.microsoft.com/en-us/azure/logic-apps/logic-apps-azure-functions

Community vote distribution
B (100%)

Your company has the infrastructure shown in the following table.

Location	Resource
Azure	• Azure subscription named Subscription1 • 20 Azure web apps
On-premises datacenter	• Active Directory domain • Server running Azure AD Connect • Linux computer named Server1

The on-premises Active Directory domain syncs with Azure Active Directory (Azure AD).
Server1 runs an application named App1 that uses LDAP queries to verify user identities in the on-premises Active Directory domain.
You plan to migrate Server1 to a virtual machine in Subscription1.
A company security policy states that the virtual machines and services deployed to Subscription1 must be prevented from accessing the on-premises network.
You need to recommend a solution to ensure that App1 continues to function after the migration. The solution must meet the security policy.
What should you include in the recommendation?

A. Azure AD Application Proxy

B. the Active Directory Domain Services role on a virtual machine

C. an Azure VPN gateway

D. Azure AD Domain Services (Azure AD DS)

Correct Answer: *D*
Azure Active Directory Domain Services (Azure AD DS) provides managed domain services such as domain join, group policy, lightweight directory access protocol (LDAP), and Kerberos/NTLM authentication.
Reference:
https://docs.microsoft.com/en-us/azure/active-directory-domain-services/overview

Community vote distribution

D (96%) 4%

Question #4 *Topic 4*

You need to design a solution that will execute custom C# code in response to an event routed to Azure Event Grid. The solution must meet the following requirements:
☞ The executed code must be able to access the private IP address of a Microsoft SQL Server instance that runs on an Azure virtual machine.
☞ Costs must be minimized.
What should you include in the solution?

A. Azure Logic Apps in the Consumption plan

B. Azure Functions in the Premium plan

C. Azure Functions in the Consumption plan

D. Azure Logic Apps in the integrated service environment

Correct Answer: *B*
Virtual connectivity is included in the Premium plan.
Reference:
https://docs.microsoft.com/en-us/azure/azure-functions/functions-scale#hosting-plans-comparison

Community vote distribution

B (99%)

Question #5 *Topic 4*

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. a Recovery Services vault and Windows Server Backup

B. Azure blob containers and Azure File Sync

C. a Recovery Services vault and Azure Backup

D. an Azure file share and Azure File Sync

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

Community vote distribution

D (100%)

Question #6 *Topic 4*

HOTSPOT -

You have an Azure subscription named Subscription1 that is linked to a hybrid Azure Active Directory (Azure AD) tenant.

You have an on-premises datacenter that does NOT have a VPN connection to Subscription1. The datacenter contains a computer named Server1 that has

Microsoft SQL Server 2016 installed. Server is prevented from accessing the internet.

An Azure logic app resource named LogicApp1 requires write access to a database on Server1.

You need to recommend a solution to provide LogicApp1 with the ability to access Server1.

What should you recommend deploying on-premises and in Azure? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

On-premises:

- A Web Application Proxy for Windows Server
- An Azure AD Application Proxy connector
- An On-premises data gateway
- Hybrid Connection Manager

Azure:

- A connection gateway resource
- An Azure Application Gateway
- An Azure Event Grid domain
- An enterprise application

Answer Area

On-premises:

- A Web Application Proxy for Windows Server
- An Azure AD Application Proxy connector
- An On-premises data gateway
- Hybrid Connection Manager

Azure:

- A connection gateway resource
- An Azure Application Gateway
- An Azure Event Grid domain
- An enterprise application

Correct Answer:

Box 1: An on-premises data gateway

For logic apps in global, multi-tenant Azure that connect to on-premises SQL Server, you need to have the on-premises data gateway installed on a local computer and a data gateway resource that's already created in Azure.

Box 2: A connection gateway resource

Reference:

https://docs.microsoft.com/en-us/azure/connectors/connectors-create-api-sqlazure