Correct Answer: D
Explanation:
New-AzureRmApiManagementBackendProxy creates a new Backend Proxy Object which can be piped when creating a new Backend entity.

Example:
Create a Backend Proxy In-Memory Object

PS C:\>$secpassword = ConvertTo-SecureString "PlainTextPassword" -AsPlainText -Force

PS C:\>$proxyCreds = New-Object System.Management.Automation.PSCredential ("foo", $secpassword)

PS C:\>$credential = New-AzureRmApiManagementBackendProxy -Url " http://12.168.1.1:8080 " -ProxyCredential $proxyCreds

PS C:\>$apimContext = New-AzureRmApiManagementContext -ResourceGroupName "Api-Default-WestUS" -ServiceName "contoso"

PS C:\>$backend = New-AzureRmApiManagementBackend -Context $apimContext -BackendId 123 -Url 'https://contoso.com/awesomeapi' -Protocol http -Title "first backend" -SkipCertificateChainValidation $true -Proxy $credential -Description "backend with proxy server"

Creates a Backend Proxy Object and sets up Backend

QUESTION 48
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.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You are developing an Azure Service application that processes queue data when it receives a message from a mobile application. Messages may not be sent to the service consistently.

You have the following requirements:

▪ Queue size must not grow larger than 80 gigabytes (GB).
▪ Use first-in-first-out (FIFO) ordering of messages.
▪ Minimize Azure costs.

You need to implement the messaging solution.

Solution: Use the .Net API to add a message to an Azure Storage Queue from the mobile application. Create an Azure Function App that uses an Azure Storage Queue trigger.

Does the solution meet the goal?

A. Yes
B. No

Correct Answer: B

Explanation:
Create an Azure Function App that uses an Azure Service Bus Queue trigger.

Reference:
https://docs.microsoft.com/en-us/azure/azure-functions/functions-create-storage-queue-triggered-function

QUESTION 49
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.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You develop a software as a service (SaaS) offering to manage photographs. Users upload photos to a web service which then stores the photos in Azure Storage Blob storage. The storage account type is General-purpose V2.

When photos are uploaded, they must be processed to produce and save a mobile-friendly version of the image. The process to produce a mobile-friendly version of the image must start in less than one minute.

You need to design the process that starts the photo processing.

Solution: Move photo processing to an Azure Function triggered from the blob upload.

Does the solution meet the goal?

A. Yes
B. No

Correct Answer: A
Explanation:
Azure Storage events allow applications to react to events. Common Blob storage event scenarios include image or video processing, search indexing, or any file-oriented workflow.

Events are pushed using Azure Event Grid to subscribers such as Azure Functions, Azure Logic Apps, or even to your own http listener.

Note:
Only storage accounts of kind StorageV2 (general purpose v2) and BlobStorage support event integration. Storage (general purpose v1) does not support integration with Event Grid.

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

QUESTION 50
HOTSPOT
You are developing a web application that will use Azure Storage. Older data will be less frequently used than more recent data.

You need to configure data storage for the application. You have the following requirements:

▪ Retain copies of data for five years.
▪ Minimize costs associated with storing data that is over one year old.
▪ Implement Zone Redundant Storage for application data.

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

NOTE: Each correct selection is worth one point.

Requirement	Solution
Configure an Azure Storage account	▼
	Implement Blob Storage
	Implement Azure Cosmos DB
	Implement Storage (general purpose v1)
	Implement StorageV2 (general purpose v2)

Configure data retention	▼
	Snapshot blobs and move them to the archive tier
	Set a lifecycle management policy to move blobs to the cool tier
	Use AzCopy to copy the data to an on-premises device for backup
	Set a lifecycle management policy to move blobs to the archive tier

Correct Answer:

Requirement	Solution
Configure an Azure Storage account	▼
	Implement Blob Storage
	Implement Azure Cosmos DB
	Implement Storage (general purpose v1)
	Implement StorageV2 (general purpose v2)

Configure data retention	▼
	Snapshot blobs and move them to the archive tier
	Set a lifecycle management policy to move blobs to the cool tier
	Use AzCopy to copy the data to an on-premises device for backup
	Set a lifecycle management policy to move blobs to the archive tier

QUESTION 51
Your company purchases an Azure subscription and plans to migrate several on-premises virtual machines to Azure. You need to design the infrastructure required for the Azure virtual machines solution. What should you include in the design?

A. the number of Azure Storage accounts
B. the settings of the Azure virtual networks
C. the size of the virtual machines
D. the number of Azure regions

Correct Answer: C

QUESTION 52

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.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You develop an HTTP triggered Azure Function app to process Azure Storage blob data. The app is triggered using an output binding on the blob.

The app continues to time out after four minutes. The app must process the blob data.

You need to ensure the app does not time out and processes the blob data.

Solution: Pass the HTTP trigger payload into an Azure Service Bus queue to be processed by a queue trigger function and return an immediate HTTP success response.

Does the solution meet the goal?

A. Yes
B. No

Correct Answer: A
Explanation:
Large, long-running functions can cause unexpected timeout issues. General best practices include:

Whenever possible, refactor large functions into smaller function sets that work together and return responses fast. For example, a webhook or HTTP trigger function might require an acknowledgment response within a certain time limit; it's common for webhooks to require an immediate response. You can pass the HTTP trigger payload into a queue to be processed by a queue trigger function. This approach lets you defer the actual work and return an immediate response.

Reference:
https://docs.microsoft.com/en-us/azure/azure-functions/functions-best-practices

QUESTION 53
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.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You are developing a website that will run as an Azure Web App. Users will authenticate by using their Azure Active Directory (Azure AD) credentials.

You plan to assign users one of the following permission levels for the website: admin, normal, and reader. A user's Azure AD group membership must be used to determine the permission level.

You need to configure authorization.
Solution:

▪ Configure and use Integrated Windows Authentication in the website.
▪ In the website, query Microsoft Graph API to load the group to which the user is a member.

Does the solution meet the goal?

A. Yes
B. No

Correct Answer: B
Explanation:
Microsoft Graph is a RESTful web API that enables you to access Microsoft Cloud service resources.

Instead in the Azure AD application's manifest, set value of the groupMembershipClaims option to All. In the website, use the value of the groups claim from the JWT for the user to determine permissions.

Reference:
https://blogs.msdn.microsoft.com/waws/2017/03/13/azure-app-service-authentication-aad-groups/

QUESTION 54
HOTSPOT
A company is developing a Node.js web app. The web app code is hosted in a GitHub repository located at https://github.com/TailSpinToys/weapp.

The web app must be reviewed before it is moved to production. You must deploy the initial code release to a deployment slot named review.

You need to create the web app and deploy the code.

How should you complete the commands? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

```
$gitrepo="https://github.com/TailSpinToys/webapp"
$webappname="TailSpinToysWeb"
$location="WestUS2"
```

New-AzWebAppSlot New-AzWebApp New-AzAppServicePlan New-AzResourceGroup	-Name myResourceGroup -Location $location
New-AzWebAppSlot New-AzWebApp New-AzAppServicePlan New-AzResourceGroup	-Name $webappname -Location $location -ResourceGroupName myResourceGroup -Tier Standard
New-AzWebAppSlot New-AzWebApp New-AzAppServicePlan New-AzResourceGroup	-Name $webappname -Location $location -AppServicePlan $webappname -ResourceGroupName myResourceGroup
New-AzWebAppSlot New-AzWebApp New-AzAppServicePlan New-AzResourceGroup	-Name $webappname -ResourceGroupName myResourceGroup -Slot review

```
$PropertiesObject = @{repoUrl = "$gitrepo";branch = "master";}
Set-AzResource -PropertyObject $PropertiesObject -ResourceGroupName myResourceGroup -ResourceType
Microsoft.Web/sites/slots/sourcecontrols -ResourceName $webappname/review/web -ApiVersion 2015-08-01 -Force
Switch-AzWebAppSlot -Name $webappname -ResourceGroupName myResourceGroup `
-SourceSlotName review -DestinationSlotName production
```