EXAMTOPICS

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⚙ Custom View Settings

Question #31   *Topic 1*

HOTSPOT -

You are developing an application that needs access to an Azure virtual machine (VM).

The access lifecycle for the application must be associated with the VM service instance.

You need to enable managed identity for the VM.

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

$vm = Get-AzVM -ResourceGroupName "ContosoRG" -Name "ContosoVM"

Update-AzVM -ResourceGroupName "ContosoRG" -VM $vm [▼ -AssignIdentity: / -IdentityId:] [▼ $SystemAssigned / $UserAssigned]

Correct Answer:

Answer Area

$vm = Get-AzVM -ResourceGroupName "ContosoRG" -Name "ContosoVM"

Update-AzVM -ResourceGroupName "ContosoRG" -VM $vm [▼ -AssignIdentity: / **-IdentityId:**] [▼ **$SystemAssigned** / $UserAssigned]

Box 1: -IdentityType -

Enable system-assigned managed identity on an existing Azure VM:

To enable a system-assigned managed identity, use the -IdentityType switch on the Update-AzVM cmdlet (see below).

Box 2: $SystemAssigned -

$vm = Get-AzVM -ResourceGroupName myResourceGroup -Name myVM

Update-AzVM -ResourceGroupName myResourceGroup -VM $vm -IdentityType SystemAssigned

Reference:

https://docs.microsoft.com/en-us/azure/active-directory/managed-identities-azure-resources/qs-configure-powershell-windows-vm

Question #32   *Topic 1*

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: Create an Azure Function app that uses the Consumption hosting model and that is triggered from the blob upload.

Does the solution meet the goal?

A. Yes

B. No

Correct Answer: *A* 🖉

In the Consumption hosting plan, resources are added dynamically as required by your functions.

Reference:

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

Question #33   *Topic 1*

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 and deploy an Azure App Service API app to a Windows-hosted deployment slot named Development. You create additional deployment slots named Testing and Production. You enable auto swap on the Production deployment slot.

You need to ensure that scripts run and resources are available before a swap operation occurs.

Solution: Update the app with a method named statuscheck to run the scripts. Update the app settings for the app. Set the WEBSITE_SWAP_WARMUP_PING_PATH and WEBSITE_SWAP_WARMUP_PING_STATUSES with a path to the new method and appropriate response codes.

Does the solution meet the goal?

> A. No

B. Yes

Correct Answer: *A* 🖊

These are valid warm-up behavior options, but are not helpful in fixing swap problems.

Instead update the web.config file to include the applicationInitialization configuration element. Specify custom initialization actions to run the scripts.

Note: Some apps might require custom warm-up actions before the swap. The applicationInitialization configuration element in web.config lets you specify custom initialization actions. The swap operation waits for this custom warm-up to finish before swapping with the target slot.

Here's a sample web.config fragment.

<system.webServer>

<applicationInitialization>

<add initializationPage="/" hostName="[app hostname]" />

<add initializationPage="/Home/About" hostName="[app hostname]" />

</applicationInitialization>

</system.webServer>

Reference:

https://docs.microsoft.com/en-us/azure/app-service/deploy-staging-slots#troubleshoot-swaps

Question #34   *Topic 1*

HOTSPOT -

You create the following PowerShell script:

```
$source = New-AzScheduledQueryRuleSource -Query 'Heartbeat | where TimeGenerated > ago(1h)' -DataSourceId "contoso"
$schedule = New-AzScheduledQueryRuleSchedule -FrequencyInMinutes 60 -TimeWindowInMinutes 60
$triggerCondition = New-AzScheduledQueryRuleTriggerCondition -ThresholdOperator "LessThan" -Threshold 5
$aznsActionGroup = New-AzScheduledQueryRuleAznsActionGroup -ActionGroup "contoso" -EmailSubject "Custom email subject"
 -CustomWebhookPayload "{ '"alert'":'"#alertrulename'", '"IncludeSearchResults'":true }"
$alertingAction = New-AzScheduledQueryRuleAlertingAction -AznsAction $aznsActionGroup -Severity "3" -Trigger $triggerCondition
New-AzScheduledQueryRule -ResourceGroupName "contoso" -Location "eastus" -Action $alertingAction -Enabled $true
 -Description "Alert description" -Schedule $schedule -Source $source -Name "Alert Name"
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No,

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
A log alert is created that sends an email when the CPU percentage is above 60 percent for five minutes.	○	○
A log alert is created that sends an email when the number of virtual machine heartbeats in the past hour is less than five.	○	○
The log alert is scheduled to run every two hours.	○	○

Answer Area

Correct Answer:

Statements	Yes	No
A log alert is created that sends an email when the CPU percentage is above 60 percent for five minutes.	○	◉
A log alert is created that sends an email when the number of virtual machine heartbeats in the past hour is less than five.	◉	○
The log alert is scheduled to run every two hours.	○	◉

Box 1: No -

The AzScheduledQueryRuleSource is Heartbeat, not CPU.

Box 2: Yes -

The AzScheduledQueryRuleSource is Heartbeat!

Note: New-AzScheduledQueryRuleTriggerCondition creates an object of type Trigger Condition. This object is to be passed to the command that creates Alerting

Action object.

Box 3: No -

The schedule is 60 minutes, not two hours.

-FrequencyInMinutes: The alert frequency.

-TimeWindowInMinutes: The alert time window

The New-AzAscheduledQueryRuleSchedule command creates an object of type Schedule. This object is to be passed to the command that creates Log Alert

Rule.

Reference:

https://docs.microsoft.com/en-us/powershell/module/az.monitor/new-azscheduledqueryrule https://docs.microsoft.com/en-us/powershell/module/az.monitor/new-azscheduledqueryruletriggercondition

Reference:

https://docs.microsoft.com/en-us/powershell/module/az.monitor/new-azscheduledqueryrule https://docs.microsoft.com/en-us/powershell/module/az.monitor/new-azscheduledqueryruletriggercondition

Question #35   *Topic 1*

DRAG DROP -

You are developing an Azure Function app.

The app must meet the following requirements:

☞ Enable developers to write the functions by using the Rust language.

☞ Declaratively connect to an Azure Blob Storage account.

You need to implement the app.

Which Azure Function app features should you use? To answer, drag the appropriate features to the correct requirements. Each feature may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Features

Custom handler

Extension bundle

Trigger

Runtime

Policy

Hosting plan

Answer Area

Requirement	Feature
Enable developers to write the functions by using the Rust language.	Feature
Declaratively connect to an Azure Blob Storage account.	Feature

Correct Answer:

Features

(blank)

Extension bundle

(blank)

Runtime

Policy

Hosting plan

Answer Area

Requirement	Feature
Enable developers to write the functions by using the Rust language.	Custom handler
Declaratively connect to an Azure Blob Storage account.	Trigger

Box 1: Custom handler -

Custom handlers can be used to create functions in any language or runtime by running an HTTP server process, for example Go or Rust.

Box 2: Trigger -

Functions are invoked by a trigger and can have exactly one. In addition to invoking the function, certain triggers also serve as bindings. You may also define multiple bindings in addition to the trigger. Bindings provide a declarative way to connect data to your code.

Reference:

https://docs.microsoft.com/en-us/azure/azure-functions/create-first-function-vs-code-other https://docs.microsoft.com/en-us/dotnet/architecture/serverless/azure-functions

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