AZ-204^{Q&As}

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Developing Solutions for Microsoft Azure

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QUESTION 1

HOTSPOT

You are a developer building a web site using a web app. The web site stores configuration data in Azure App Configuration. Access to Azure App Configuration has been configured to use the identity of the web app for authentication.

Security requirements specify that no other authentication systems must be used.

You need to load configuration data from Azure App Configuration.

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

Hot Area:

```
public static IHostBuilder CreateHostBuilder(string[] args) =>
    Host.CreateDefaultBuilder(args)
    .ConfigureWebHostDefaults(wb =>
    {
        wb.ConfigureAppConfiguration((hc, config) =>
        {
            var settings = config.Build();
            config.                              ▼  (options =>
                    AddAzureKeyVault
                    DefaultAzureCredential
                    ChainedTokenCredential
                    ManagedIdentityCredential
                    AddAzureAppConfiguration

        options.Connect(new Uri(settings["AppConfig:Endpoint"]),
            new                              ▼  ()));
                    AddAzureKeyVault
                    DefaultAzureCredential
                    ChainedTokenCredential
                    ManagedIdentityCredential
                    AddAzureAppConfiguration
```

Correct Answer:

```
public static IHostBuilder CreateHostBuilder(string[] args) =>
  Host.CreateDefaultBuilder(args)
  .ConfigureWebHostDefaults(wb =>
  {
    wb.ConfigureAppConfiguration((hc, config) =>
    {
      var settings = config.Build();
      config. [_____▼] (options =>
              ┌─────────────────────────┐
              │ AddAzureKeyVault        │
              │ DefaultAzureCredential  │
              │ ChainedTokenCredential  │
              │ ManagedIdentityCredential │
              │ AddAzureAppConfiguration │
              └─────────────────────────┘

      options.Connect(new Uri(settings["AppConfig:Endpoint"]),
        new [_____▼] ()));
            ┌─────────────────────────┐
            │ AddAzureKeyVault        │
            │ DefaultAzureCredential  │
            │ ChainedTokenCredential  │
            │ ManagedIdentityCredential │
            │ AddAzureAppConfiguration │
            └─────────────────────────┘
```

QUESTION 2

HOTSPOT

You need to update the order workflow to address the issue when calling the Printer API App.

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

```
"print_label": {
  "type": "Http",
  "inputs": {
    "method": "POST",
    "uri": "https://www.cohowinery.com/printer/printlabel",
    "retryPolicy": {
    "type": "                    ",
```

| default |
| none |
| fixed |
| exponential |

```
    "interval": "                    ",
```

| PT10S |
| PT30S |
| PT60S |
| PT1D |

```
    "count":
```

| 5 |
| 10 |
| 60 |

```
    }
  }
}
```

Correct Answer:

Answer Area

```
"print_label": {
    "type": "Http",
    "inputs": {
        "method": "POST",
        "uri": "https://www.cohowinery.com/printer/printlabel",
        "retryPolicy": {
        "type": "        [ default         ⌄ ]        ",
                          [ default     ]
                          [ none        ]
                          [ fixed       ]
                          [ exponential ]

        "interval": "    [                 ⌄ ]        ",
                          [ PT10S ]
                          [ PT30S ]
                          [ PT60S ]
                          [ PT1D  ]

        "count":         [                 ⌄ ]
                          [ 5  ]
                          [ 10 ]
                          [ 60 ]
        }
    }
}
```

Box 1: fixed

The 'Default' policy does 4 exponential retries and from my experience the interval times are often too short in situations.

Box 2: PT60S

We could set a fixed interval, e.g. 5 retries every 60 seconds (PT60S).

PT60S is 60 seconds.

Scenario: Calls to the Printer API App fail periodically due to printer communication timeouts.

Printer communication timeouts occur after 10 seconds. The label printer must only receive up to 5 attempts within one minute.

Box 3: 5

Reference:

https://michalsacewicz.com/error-handling-in-power-automate/

QUESTION 3

HOTSPOT

You are building a traffic monitoring system that monitors traffic along six highways. The system produces time series analysis-based reports for each highway. Data from traffic sensors are stored in Azure Event Hub.

Traffic data is consumed by four departments. Each department has an Azure Web App that displays the time series-based reports and contains a WebJob that processes the incoming data from Event Hub. All Web Apps run on App Service

Plans with three instances.

Data throughput must be maximized. Latency must be minimized.

You need to implement the Azure Event Hub.

Which settings should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Setting	Value
Number of partitions	▼
	3
	4
	6
	12
Partition Key	▼
	Highway
	Department
	Timestamp
	VM name

Correct Answer:

Answer Area

Setting	Value

Number of partitions

- 3
- 4
- **6**
- 12

Partition Key

- **Highway**
- Department
- Timestamp
- VM name

Box 1: 6

The number of partitions is specified at creation and must be between 2 and 32.

There are 6 highways.

Box 2: Highway

Reference:

https://docs.microsoft.com/en-us/azure/event-hubs/event-hubs-features

QUESTION 4

DRAG DROP

You are developing an application. You have an Azure user account that has access to two subscriptions.

You need to retrieve a storage account key secret from Azure Key Vault.

In which order should you arrange the PowerShell commands to develop the solution? To answer, move all commands from the list of commands to the answer area and arrange them in the correct order.

Select and Place:

Powershell commands

```
$secretvalue = ConvertTo-SecureString
$storAcctkey -AsPlainText
-Force
     Set-AzKeyVaultSecret -VaultName
$vaultName -Name $secretName
-SecretValue $secretvalue
```

```
Get-AzStorageAccountKey -
ResourceGroupName $resGroup -Name
$storAcct
```

```
Set-AzContext -SubscriptionId
$subscriptionID
```

```
Get-AzKeyVaultSecret -VaultName
$vaultName
```

```
Get-AzSubscription
```

Answer Area

Correct Answer:

Powershell commands

Answer Area

```
Get-AzSubscription
```

```
Set-AzContext -SubscriptionId
$subscriptionID
```

```
Get-AzStorageAccountKey -
ResourceGroupName $resGroup -Name
$storAcct
```

```
$secretvalue = ConvertTo-SecureString
$storAcctkey -AsPlainText
-Force
        Set-AzKeyVaultSecret -VaultName
$vaultName -Name $secretName
-SecretValue $secretvalue
```

```
Get-AzKeyVaultSecret -VaultName
$vaultName
```

Step 1: Get-AzSubscription

If you have multiple subscriptions, you might have to specify the one that was used to create your key vault. Enter the following to see the subscriptions for your account:

Get-AzSubscription

Step 2: Set-AzContext -SubscriptionId

To specify the subscription that\\'s associated with the key vault you\\'ll be logging, enter:

Set-AzContext -SubscriptionId

Step 3: Get-AzStorageAccountKey

You must get that storage account key.

Step 4: $secretvalue = ConvertTo-SecureString -AsPlainText -Force

Set-AzKeyVaultSecret -VaultName -Name -SecretValue $secretvalue

After retrieving your secret (in this case, your storage account key), you must convert that key to a secure string, and then create a secret with that value in your key vault.

Step 5: Get-AzKeyVaultSecret

Next, get the URI for the secret you created. You\\'ll need this URI in a later step to call the key vault and retrieve your secret. Run the following PowerShell command and make note of the ID value, which is the secret\\'s URI:

Get-AzKeyVaultSecret –VaultName

Reference:

https://docs.microsoft.com/bs-latn-ba/Azure/key-vault/key-vault-key-rotation-log-monitoring

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QUESTION 5

An organization hosts web apps in Azure. The organization uses Azure Monitor

You discover that configuration changes were made to some of the web apps.

You need to identify the configuration changes.

Which Azure Monitor log should you review?

A. AppServiceEnvironmentPlatformLogs

B. AppServiceApplogs

C. AppServiceAuditLogs

D. AppServiceConsoteLogs

Correct Answer: A

The log type AppServiceEnvironmentPlatformLogs handles the App Service Environment: scaling, configuration changes, and status logs.

Incorrect:

AppServiceAppLogs contains logs generated through your application.

AppServiceAuditLogs logs generated when publishing users successfully log on via one of the App Service publishing protocols.

Reference:

https://docs.microsoft.com/en-us/azure/app-service/troubleshoot-diagnostic-logs

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