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Microsoft

Exam Questions AZ-202
Microsoft Azure Developer Certification Transition

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NEW QUESTION 1
- (Exam Topic 1)
You need to configure retries in the LoadUserDetails function in the Database class without impacting user experience.
What code should you insert on line DB07?
To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

```csharp
var policy = Policy.Handle<HttpRequestException>()
   RetryOptions.Retry(3);
```

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: Policy
```csharp
RetryPolicy retry = Policy.Handle<HttpRequestException>() Retry(3);
```
The above example will create a retry policy which will retry up to three times if an action fails with an exception handled by the Policy.
Box 2: WaitAndRetryAsync(3, i => TimeSpan.FromMilliseconds(100 * Math.Pow(2, i - 1)));
A common retry strategy is exponential backoff: this allows for retries to be made initially quickly, but then at progressively longer intervals, to avoid hitting a subsystem with repeated frequent calls if the subsystem may be struggling.
Example: Policy
```csharp
Handle<SomeExceptionType>() WaitAndRetry(3, retryAttempt =>
   TimeSpan.FromSeconds(Math.Pow(2, retryAttempt))
);
```
References:
https://github.com/App-vNext/Polly/wiki/Retry

NEW QUESTION 2
- (Exam Topic 1)
You need to ensure the security policies are met. What code do you add at line CS07?

A)  
B)  
C)  
D)  

A. Option A
B. Option B
C. Option C
D. Option D

Answer: D

NEW QUESTION 3
- (Exam Topic 1)
You need to ensure that the upload format issue is resolved. What code should you add at line RU14?

to answer, drag the appropriate code fragments to the correct locations. Each code fragment 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.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: HttpStatusCode.InternalServerError
(HttpStatusCode.Code,InternalServerError) is equivalent to HTTP status 500. InternalServerError indicates that a generic error has occurred on the server.
Box 2: CannotDeleteFileOrDirectory
HttpResponseMessage.ReasonPhrase Property gets or sets the reason phrase which typically is sent by servers together with the status code.

Scenario: Upload format issue
Employees occasionally report an issue with uploading a receipt using the web application. They report that when they upload a receipt using the Azure File Share, the receipt does not appear in their profile. When this occurs, they delete the file in the file share and use the web application, which returns a 500 Internal Server error page.

References:
https://docs.microsoft.com/en-us/dotnet/api/system.net.httpstatuscode?redirectedfrom=MSDN&view=netframew

NEW QUESTION 4

- (Exam Topic 2)
You need to update the chatbot to greet the user when they sign in.
Which two rich card formats can you use? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point

A. Thumbnail
B. Adaptive
C. Sign-in
D. Hero
E. Animation

Answer: AC

Explanation:
Scenario: The chatbot greeting interface must match the formatting of the following example:

Welcome to the Restaurant!

John Doe
Sun, Aug 26, 2016

Welcome to Best For You Organics Company! How can we help you today?

Specials: Chicken Marsala

Order Pickup         Order Delivery

A message exchange between user and bot can contain one or more rich cards rendered as a list or carousel. The Attachments property of the Activity object contains an array of Attachment objects that represent the rich cards and media attachments within the message.
The Bot Framework currently supports eight types of rich cards:

1. Thumbnail Card. A card that typically contains a single thumbnail image, one or more buttons, and text.
2. SignIn Card. A card that enables a bot to request that a user sign-in. It typically contains text and one or more buttons that the user can click to initiate the sign-in process.

NEW QUESTION 5

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Your company is migrating applications to Azure. The U department must allow internal developers to communicate with Microsoft support. The service agents of the IT department must only have view resources and create support ticket permissions to all subscriptions. A new custom role must be created by reusing a default role definition and changing the permissions.

You need to create the custom role.

To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

- (Exam Topic 3)

**NEW QUESTION 6**

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution. Determine whether the solution meets the stated goals.

You connect to Azure by using a workstation that has a slow internet connection. You have two Azure file shares. You plan to transfer a series of large files from one container to another container. The workstation does not have sufficient disk space to store the files.

You define the following variables in Azure PowerShell.

You need to simultaneously transfer the large files as efficiently as possible.

Solution: Write a C# application that uses the Azure .NET API method CloudFile.StartCopyAsync to transfer files to the destination container.

Does the solution meet the goal?

A. Yes
B. No

**Answer:** B

**NEW QUESTION 7**

(Exam Topic 3)

You are creating a bot for a company by using QnA Maker.

You need to ensure that the company can update the bot without third-party assistance. What should you use? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.
NEW QUESTION 8
- (Exam Topic 3)
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 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 use ASP.NET Core MVC with ADO.NET to develop an application. You implement database sharding for the application by using Azure SQL Database. You establish communication to implement a strategy that allows a group of operations that are performed on multiple Azure databases to be rolled back on all database if any of the operations fail.
Solution
• Create stored procedures in each Azure SQL database instance to perform operations for each respective database.
• Invoke a named transaction and use the same name for the transaction in each stored procedure.
• Establish a new transaction scope in a using block. Within the block, establish connections to each Azure SQL Database instance and run the stored procedure.
• If no exception occurs, commit the scoped transaction. Does the solution meet the goal?

A. Yes
B. No

Answer: B
NEW QUESTION 9
- (Exam Topic 3)
You are developing an ASP.NET web application that you will deploy to Azure. The solution must meet the following requirements:
• Store user session state by using only serializable data types.
• Provide customizable caching of session data.
• Support scaling out the number of web hosts.
• Maximize performance.
Which solution meets these requirements?

A. Clustered Azure Redis Cache
B. SQL Server session state provider
C. in memory session state provider
D. ASP.NET Output Cache provider for Azure Redis Cache

Answer: B

NEW QUESTION 10
- (Exam Topic 3)
A company provides web app hosting services for customers.
You have a set of App Service Plans available to deploy resources for new projects. The available service tiers are shown in the Service Tiers exhibit. (Click the Service Tiers tab.)

You must provision resources for the projects as shown in the Projects exhibit. (Click the Projects tab.)

The AdventureWorks project requires the use of deployment slots as shown in the Deployment Slots exhibit. (Click the Deployment Slots tab.)

You need to determine where to deploy resources for each project.
For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.
NEW QUESTION 11
- (Exam Topic 3)
You are developing a ticket reservation system for an airline.
The storage solution for the application must meet the following requirements:
• Ensure at least 99.99% availability and provide low latency.
• Accept reservations even in network outages or other unforeseen failures.
• Process reservations in the exact sequence as reservations are submitted to minimize overbooking or selling the same seat to multiple travelers.
• Allow simultaneous and out-of-order reservations with a maximum five-second tolerance window. You provision a resource group named airlineResourceGroup in the Azure South-Central US region. You need to provision a SQL API Cosmos DB account to support the app.
How should you complete the Azure CLI commands? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
NEW QUESTION 12
- (Exam Topic 3)
You are developing a software solution for an autonomous transportation system. The solution fleets of vehicles. You need to create compute nodes for the solution on Azure Batch. What should you do?

A. In Azure CLI, run the command: az batch pool create
B. In a .NET method, call the method: BatchClient.PoolOperations.CreateJob
C. In Azure CU, run the command: az batch account create
D. In the Azure portal, add a Job to a Batch account.

Answer: C

Explanation:
You can create a pool of compute nodes using the az batch pool create command. The following example creates a pool named mypool of 2 size Standard_A1_v2 nodes running Ubuntu 16.04 LTS. The suggested node size offers a good balance of performance versus cost for this quick example.

```
az batch pool create \
--id mypool --vm-size Standard_A1_v2 \
--target-dedicated-nodes 2 \
```

NEW QUESTION 13
- (Exam Topic 3)
A company is creating an IoT solution for connecting to smart refrigerators. You plan to use the Azure IoT Hub Device Provisioning Service for this process. You need to provision the devices automatically. Which feature of Device Provisioning Service should you use?

A. Error policy
B. Device registration and configuration
C. Template registration
D. Remote monitoring

Answer: B

Explanation:
Azure IoT auto-provisioning can be broken into three phases:
- Service configuration - a one-time configuration of the Azure IoT Hub and IoT Hub Device Provisioning Service instances, establishing them and creating linkage between them.
- Device enrollment - the process of making the Device Provisioning Service instance aware of the devices that will attempt to register in the future. Note: The Device Provisioning Service is a helper service that enables just-in-time provisioning of devices to an IoT hub, without requiring human intervention. After successful provisioning, devices connect directly with their designated IoT Hub. This process is referred to as auto-provisioning, and provides an out-of-the-box registration and initial configuration experience for devices.
- Device registration and configuration - initiated upon boot up by registration software, which is built using a Device Provisioning Service client SDK appropriate for the device and attestation mechanism. The software establishes a connection to the provisioning service for authentication of the device, and subsequent registration in the IoT Hub. Upon successful registration, the device is provided with its IoT Hub unique device ID and connection information, allowing it to pull its initial configuration and begin the telemetry process. In production environments, this phase can occur weeks or months after the previous two phases.

References: https://docs.microsoft.com/en-us/azure/iot-dps/concepts-auto-provisioning

NEW QUESTION 14
- (Exam Topic 3)
You are developing an Azure IoT Hub Device Provisioning Service as a helper service. You configure zero-touch device provisioning to an IoT Hub. All devices are exactly. You need to configure auto-provisioning for millions of devices in a secure and scalable manner with group enrollment and roles. What should you use? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.
A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 15
- (Exam Topic 3)
You develop software solutions for a media services company. You plan to analyze a collection of video files by using Azure Video Indexer. You need to only generate audio transcripts from the files, as quickly as possible, without incurring extra costs. To which value should you set the Azure Video Indexer streamingPreset option?

A. Default  
B. SingleBitrate  
C. NoStreaming  
D. AdaptiveBitrate

Answer: C

NEW QUESTION 16
- (Exam Topic 3)
Members of the finance department for a company review and make changes to a Microsoft Excel workbook that is hosted on OneDrive. The workbook contains projected costs and revenue for a project. You need to develop an Azure Function that ingests data from the modified workbook and places it into a Microsoft Word document. Which two objects should you implement? Each correct answer presents part of the solution. NOTE: Each connect selection is worth one point.

A. An Excel table input binding  
B. An auth token input binding  
C. An Excel table output binding  
D. A group subscription  
E. A group conversation subscription

Answer: AD

Explanation:
Azure Functions supports trigger, input, and output bindings for external files. These bindings create API connections to SaaS providers, or use existing API connections from your Function App's resource group.
References: https://docs.microsoft.com/en-us/azure/azure-functions/functions-bindings-external-file

NEW QUESTION 17
- (Exam Topic 3)
A company has an app that records and processes videos. New videos are recorded daily. The videos are displayed on the company website the day after they are recorded. The company runs several servers that process data and encode the videos. The processing servers use FFmpeg and proprietary software to encode and convert the videos. The company plans to migrate the app to Azure. Azure Batch must be used to process videos. Each task must run a command and output the result to a file on a destination storage account. You create and assign values to the following variables:

You are reviewing code to create tasks in Azure Batch. (Line numbers are included for reference only.)
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
NEW QUESTION 18
- (Exam Topic 3)
An application that you manage has several web front-end instances. Each web front-end communicates with a set of back-end worker processes by using an Azure queue.
You are developing code for the worker processes.
You have a function named DoWork() that handles data processing tasks.
You need to develop code for the worker processes that meets the following requirements:
• Properly access an item from the queue and be resistant to failure.
• Run on multiple background processes.
• Ensure that items are available to other workers two minutes after a worker process fails.
• Ensure that messages regarding failed processes are logged to the console.
How should you complete the code? To answer, select the appropriate options in the answer area. NOTE: Each connect selection its worth one point

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 19
- (Exam Topic 3)
You are developing an ASP.NET Core Web API web service. The web service uses Azure Application Insights for all telemetry and dependency tracking. The web service reads and writes data to a database other than Microsoft SQL Server.
You need to ensure that dependency tracking works for calls to the third-party database.
Which two Dependency Telemetry properties should you store in the database? Each correct answer presents part of the solution.

A. Telemetry.Context.Operation.Id
C. Telemetry.Id
D. Telemetry.ContextSession.Id
E. Telemetry.Name

Answer: BC

NEW QUESTION 20
- (Exam Topic 4)
You need to resolve a notification latency issue.
Which two actions should you perform? Each correct answer presents part of the solution.

A. Ensure that the Azure Function is using an App Service plan.
B. Set Always On to false

A. Ensure that the Azure Function is using an App Service plan.
B. Set Always On to false
C. Ensure that the Azure Function is set to use a consumption plan.
D. Set Always On to true.

Answer: AD

Explanation:
Azure Functions can run on either a Consumption Plan or a dedicated App Service Plan. If you run in a dedicated mode, you need to turn on the Always On setting for your Function App to run properly. The Function runtime will go idle after a few minutes of inactivity, so only HTTP triggers will actually “wake up” your functions. This is similar to how WebJobs must have Always On enabled.

Scenario: Notification latency: Users report that anomaly detection emails can sometimes arrive several minutes after an anomaly is detected.
Anomaly detection service: You have an anomaly detection service that analyzes log information for anomalies. It is implemented as an Azure Machine Learning model. The model is deployed as a web service.

If an anomaly is detected, an Azure Function that emails administrators is called by using an HTTP WebHook. References:

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