AI-100^{Q&As}

Designing and Implementing an Azure AI Solution

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QUESTION 1

You are developing an app for a conference provider. The app will use speech-to-text to provide transcription at a conference in English. It will also use the

Translator Text API to translate the transcripts to the language preferred by the conference attendees.

You test the translation features on the app and discover that the translations are fairly poor.

You want to improve the quality of the translations.

Which of the following actions should you take?

A. Use Text Analytics to perform the translations.

B. Use the Language Understanding (LUIS) API to perform the translations.

C. Perform the translations by training a custom model using Custom Translator.

D. Use the Computer Vision API to perform the translations.

Correct Answer: C

Custom Translator is a feature of the Microsoft Translator service. With Custom Translator, enterprises, app developers, and language service providers can build neural translation systems that understand the terminology used in their own

business and industry. The customized translation system will then seamlessly integrate into existing applications, workflows and websites.

Custom Translator allows users to customize Microsoft Translator\\'s advanced neural machine translation for Translator\\'s supported neural translation languages.

Custom Translator can be used for customizing text when using the Microsoft Translator Text API, and speech translation using the Microsoft Speech services.

Reference:

https://www.microsoft.com/en-us/translator/business/customization/

QUESTION 2

You plan to deploy an AI solution that tracks the behavior of 10 custom mobile apps. Each mobile app has several thousand users.

You need to recommend a solution for real-time data ingestion for the data originating from the mobile app users.

Which Microsoft Azure service should you include in the recommendation?

A. Azure Event Hubs

B. Azure Service Bus queries

C. Azure Service Bus topics and subscriptions

D. Apache Storm on Azure HDInsight

Correct Answer: A

References: https://docs.microsoft.com/en-in/azure/event-hubs/event-hubs-about

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QUESTION 3

You have an SAP production landscape.

You plan to use Azure Machine Learning to develop a fraud detection API. The API will identify potentially fraudulent transactions in the SAP production landscape in near real time.

You need to recommend a workflow for the API.

What should you recommend?

A. an Azure Data Factory pipeline that uses an SAP table connector and a Machine Learning Execute Pipeline activity

B. a Microsoft Excel workbook that imports SAP transactions and uses the Excel add-in for web services to score the transactions

C. an Azure logic app triggered by an SAP message that calls the API and sends an email based on the results

D. a scheduled Jupyter Notebook in Azure Databricks that connects to SAP HANA

Correct Answer: A

QUESTION 4

You are using Azure Cognitive Services to create an interactive AI application that will be deployed for a world-wide audience.

You want the app to support multiple languages, including English, French, Spanish, Portuguese, and German.

Which of the following actions should you take?

A. Make use of Text Analytics.

B. Make use of Content Moderator.

C. Make use of QnA Maker.

D. Make use of Language API.

Correct Answer: D

The Language API is designed to handle multilingual text processing and understanding. It provides various capabilities such as language detection, translation, sentiment analysis, and named entity recognition. By using the Language API, you can develop an interactive AI application that supports multiple languages, including English, French, Spanish, Portuguese, and German.

QUESTION 5

Your company recently deployed several hardware devices that contain sensors.

The sensors generate new data on an hourly basis. The data generated is stored on-premises and retained for several years.

During the past two months, the sensors generated 300 GB of data.

You plan to move the data to Azure and then perform advanced analytics on the data.

You need to recommend an Azure storage solution for the data.

Which storage solution should you recommend?

A. Azure Queue storage

B. Azure Cosmos DB

C. Azure Blob storage

D. Azure SQL Database

Correct Answer: C

References: https://docs.microsoft.com/en-us/azure/architecture/data-guide/technology-choices/data-storage

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