



AI-100^{Q&As}

Designing and Implementing an Azure AI Solution

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QUESTION 1

Your company uses an internal blog to share news with employees.

You use the Translator Text API to translate the text in the blog from English to several other languages used by the employee.

Several employees report that the translations are often inaccurate.

You need to improve the accuracy of the translations.

What should you add to the translation solution?

- A. Text Analytics
- B. Language Understanding (LUIS)
- C. Azure Media Services
- D. Custom Translator

Correct Answer: D

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.

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

QUESTION 2

You are developing a bot for an ecommerce application. The bot will support five languages.

The bot will use Language Understanding (LUIS) to detect the language of the customer, and QnA Maker to answer common customer questions. LUIS supports all the languages.

You need to determine the minimum number of Azure resources that you must create for the bot.

You create five instances of QnA Maker and five instances Language Understanding (LUIS).

Does this action accomplish your objective?

- A. Yes, it does
- B. No, it does not

Correct Answer: A



You need to have a new QnA Maker resource for each language.

If LUIS supports all the languages, you develop a LUIS app for each language. Each LUIS app has a unique app ID, and endpoint log. If you need to provide language understanding for a language LUIS does not support, you can use

Microsoft Translator API to translate the utterance into a supported language, submit the utterance to the LUIS endpoint, and receive the resulting scores.

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/overview/language-support>

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-language-support>

QUESTION 3

You need to build a solution to monitor Twitter. The solution must meet the following requirements:

1.

Send an email message to the marketing department when negative Twitter messages are detected.

2.

Run sentiment analysis on Twitter messages that mention specific tags.

3.

Use the least amount of custom code possible.

Which two services should you include in the solution? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Azure Databricks

B. Azure Stream Analytics

C. Azure Functions

D. Azure Cognitive Services

E. Azure Logic Apps

Correct Answer: BE

References: <https://docs.microsoft.com/en-us/azure/stream-analytics/streaming-technologies>

<https://docs.microsoft.com/en-us/azure/stream-analytics/stream-analytics-twitter-sentiment-analysis-trends>

QUESTION 4

You are developing an application that will perform optical character recognition of photos of medical logbooks.



You need to recommend a solution to validate the data against a validated set of records.

Which service should you include in the recommendation?

- A. Azure Data Catalog
- B. Text Analytics
- C. Bing Autosuggest
- D. Master Data Services (MDS) in Microsoft SQL Server

Correct Answer: D

References: <https://docs.microsoft.com/en-us/sql/master-data-services/validation-master-data-services?view=sql-server-2017>

QUESTION 5

You have created an AI solution that uses several PersonGroup objects.

One of the PersonGroup objects contains thousands of entries and cannot accept any new entries.

You want to be able to add new entries to the PersonGroup object. The PersonGroup object must be identifiable by all the entries.

Which of the following actions should you take?

- A. Compress the entries from the PersonGroup object.
- B. Create another PersonGroup object with the same name.
- C. Migrate the PersonGroup to a LargePersonGroup object.
- D. Archive some of the entries from the PersonGroup object.

Correct Answer: C

LargePersonGroup and LargeFaceList are collectively referred to as large-scale operations. LargePersonGroup can contain up to 1 million persons, each with a maximum of 248 faces. LargeFaceList can contain up to 1 million faces. The

large-scale operations are similar to the conventional PersonGroup and FaceList but have some differences because of the new architecture.

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/face/face-api-how-to-topics/how-to-use-large-scale>

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