



# AI-100<sup>Q&As</sup>

Designing and Implementing an Azure AI Solution

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### QUESTION 1

You plan to deploy a bot that will use the following Azure Cognitive Services:

1.

Language Understanding (LUIS)

2.

Text Analytics

Your company's compliance policy states that all data used by the bot must be stored in the on-premises network.

You need to recommend a compute solution to support the planned bot.

What should you include in the recommendation?

- A. an Azure Databricks cluster
- B. a Docker container
- C. Microsoft Machine Learning Server
- D. the Azure Machine Learning service

Correct Answer: B

You can deploy LUIS on-premise as Docker Image in a container.

Note: Azure Cognitive LUIS service can be deployed on any hardware or on any host (Linux, Windows and IOS). This feature allows enterprises to quickly train the LUIS model on the cloud and deploy it anywhere which makes Cognitive services to be available truly to every person and every Organization - "Democratizing AI".

Reference: <https://www.linkedin.com/pulse/deploying-microsoft-azure-cognitive-luis-service-on-premise-s>

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### QUESTION 2

You have an app that records meetings by using speech-to-text capabilities from the Speech Services API.

You discover that when action items are listed at the end of each meeting, the app transcribes the text inaccurately.

You need to improve the accuracy of the meeting records.

What should you do?

- A. Add a phrase list
- B. Create a custom wake word
- C. Parse the text by using the Language Understanding (LUIS) API
- D. Train a custom model by using Custom Translator



Correct Answer: D

Speech Services API with subscription to the Microsoft Text Translation API enables you to use Custom Translator to use your own data for more accurate translations.

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

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### QUESTION 3

You have an on-premises repository that contains 5,000 videos. The videos feature demonstrations of the products sold by your company.

The company's customers plan to search the videos by using the name of the product demonstrated in each video.

You need to build a custom search tool for the customers.

What should you do first?

- A. Deploy an Azure Media Services resource.
- B. Create an Azure Storage account and a blob container.
- C. Create an Azure Search resource.
- D. Deploy a Custom Vision API service.

Correct Answer: A

Azure Media Services can be used to encode and package content, stream videos on-demand, broadcast live, analyze your videos with Media Services v3.

You can analyze recorded videos or audio content. For example, to achieve higher customer satisfaction, organizations can extract speech-to-text and build search indexes and dashboards. Then, they can extract intelligence around common

complaints, sources of complaints, and other relevant data.

References:

<https://docs.microsoft.com/en-us/azure/media-services/latest/media-services-overview>

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### QUESTION 4

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 one instance Language Understanding (LUIS).

Does this action accomplish your objective?



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

Correct Answer: A

By creating one instance of Language Understanding (LUIS) that supports all five languages, and five instances of QnA Maker to handle the common customer questions in each language, you have fulfilled the requirement of supporting five languages in the bot. This approach ensures that you have the necessary Azure resources in place to handle the language detection and question answering functionalities for each language.

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#### QUESTION 5

You have Azure IoT Edge devices that collect measurements every 30 seconds.

You plan to send the measurements to an Azure IoT hub.

You need to ensure that every event is processed as quickly as possible.

What should you use?

- A. Apache Kafka
- B. Azure Stream Analytics record functions
- C. Azure Stream Analytics windowing functions
- D. Azure Machine Learning on the IoT Edge devices

Correct Answer: A

<https://docs.microsoft.com/en-us/azure/iot-edge/tutorial-deploy-stream-analytics>

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