



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

Designing and Implementing an Azure AI Solution

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**QUESTION 1**

Your company's marketing department is creating a social media campaign that will allow users to submit video messages for the company's social media sites.

You are developing an AI app for the campaign. Your app must meet the following requirements:

Add captions to the video messages before they are posted to the social media sites.

Ensure that no negative video messages are posted to the social media sites. Which of the following actions should you take?

- A. Implement Form Recognizer in your app.
- B. Implement the Face API in your app.
- C. Implement Custom Vision in your app.
- D. Implement Video Indexer in your app.

Correct Answer: D

Video Indexer includes Audio transcription: Converts speech to text in 12 languages and allows extensions. Supported languages include English, Spanish,

French, German, Italian, Mandarin Chinese, Japanese, Arabic, Russian, Portuguese, Hindi, and Korean.

When indexing by one channel, partial result for those models will be available, such as sentiment analysis: Identifies positive, negative, and neutral sentiments from speech and visual text.

Reference:

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

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**QUESTION 2**

You are designing the infrastructure for an AI solution that will analyze data stored in Azure Blob storage.

You want to encrypt the storage account by using a key generated by the hardware security module (HSM) of your company.

What should you do first?

- A. Enable encryption with customer-managed keys.
- B. Generate an access key.
- C. Generate an encryption key.
- D. Configure a service endpoint for the storage account.

Correct Answer: C



To encrypt the Azure Blob storage account with a key generated by the hardware security module (HSM) of your company, the first step is to generate an encryption key. This encryption key will be used to encrypt and decrypt the data in the storage account.

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### QUESTION 3

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>

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### QUESTION 4

You are designing a real-time speech-to-text AI feature for an Android mobile app. The feature will stream data to the Speech service.

You need to recommend which audio format to use to serialize the audio. The solution must minimize the amount of data transferred to the cloud.

What should you recommend?

- A. MP3
- B. WAV/PCM
- C. MP4a

Correct Answer: B

Currently, only the following configuration is supported:

Audio samples in PCM format, one channel, 16 bits per sample, 8000 or 16000 samples per second (16000 or 32000 bytes per second), two block align (16 bit including padding for a sample).

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/speech-service/how-to-use-audio-input-streams>

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### QUESTION 5

You create an Azure Cognitive Services resource.

A data scientist needs to call the resource from Azure Logic Apps by using the generic HTTP connector.

Which two values should you provide to the data scientist? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Endpoint URL
- B. Resource name
- C. Access key
- D. Resource group name
- E. Subscription ID

Correct Answer: DE

References: <https://social.technet.microsoft.com/wiki/contents/articles/36074.logic-apps-with-azure-cognitive-service.aspx>

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