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Microsoft

AI-901

Microsoft Azure AI Fundamentals

Sections:

1. Identify AI Concepts and Responsibilities
2. Implement AI Solutions Using Microsoft Foundry

Exam Topic: Identify AI Concepts and Responsibilities

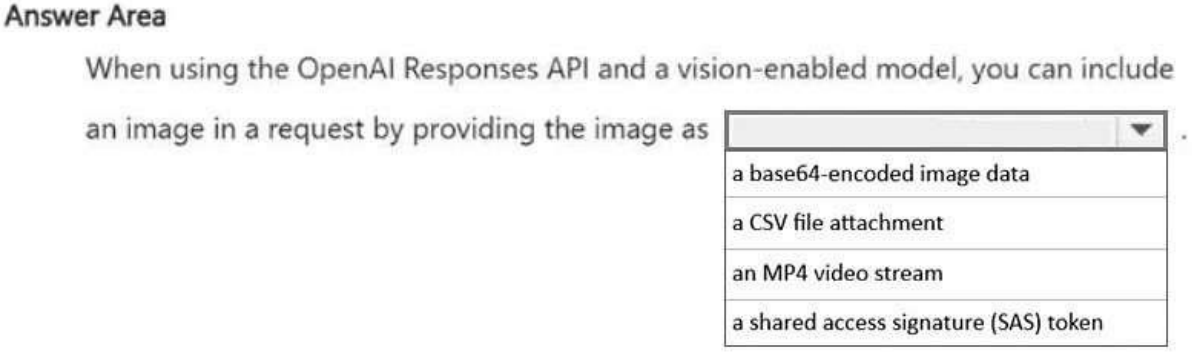
QUESTION: 1
You are using the Azure Speech SDK to develop a Python application that supports real-time spoken conversations.
Which Azure Speech class should you use to configure the connection to the Azure Speech service?

A. `AudioOutputConfig`
B. `SpeechSynthesizer`
C. `AudioConfig`
D. `SpeechConfig`

Answer(s): D

Explanation:
To configure the connection to the Azure Speech service, you should use the azure.cognitiveservices.speech.SpeechConfig class.
Implementation Details Initialization: This class holds authentication and endpoint details, such as your Azure resource key and region.
Usage: You pass this configuration object into your real-time processing classes, like SpeechRecognizer (for speech-to-text) or SpeechSynthesizer (for text-to-speech).
Reference:
https://docs.azure.cn/en-us/ai-services/speech-service/how-to-recognize-speech

QUESTION: 2
HOTSPOT (Drag and Drop is not supported)
Select the answer that correctly completes the sentence.
Hot Area:



A. See Explanation section for answer.

Answer(s): A

Explanation:

Answer Area

When using the OpenAI Responses API and a vision-enabled model, you can include an image in a request by providing the image as [▼].

- a base64-encoded image data
- a CSV file attachment
- an MP4 video stream
- a shared access signature (SAS) token

Box: a base64-encoded image data When using the OpenAI Responses API and a vision-enabled model, you can include an image in a request by providing the image as _____.
When using the OpenAI Responses API with a vision-enabled model, you can include an image in a request by providing it in three different formats: A fully qualified image URL: Passing the web link where the image is hosted online. *-> A Base64-encoded data URL: Encoding a local image file directly into a text string (formatted as ...). A file ID: Uploading the image via the Files API first and referencing its unique ID.
Reference:
https://developers.openai.com/api/docs/guides/image-generation

QUESTION: 3
You need to create an AI agent in Microsoft Foundry that follows a specific role and behavior when responding to users.
What should you configure?

A. system instructions
B. temperature
C. tokens per minute (TPM)
D. max completion tokens

Answer(s): A

Explanation:
In Microsoft Foundry, instructions (formerly referred to as system messages) are the primary way to define the role, behavior, tone, and constraints of your AI agent.
Reference:
https://learn.microsoft.com/en-us/azure/foundry-classic/agents/quickstart

QUESTION: 4
HOTSPOT (Drag and Drop is not supported)
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
Note: Each correct selection is worth one point.
Hot Area: