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Exam : **AI-102**

Title : Designing and Implementing a Microsoft Azure AI Solution

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The AI-102 certification exam is a great way for individuals to demonstrate their expertise in designing and implementing AI solutions on the Microsoft Azure platform. AI-102 exam consists of several topics, including the fundamentals of AI and machine learning, data preparation, model development and deployment, and monitoring and optimization. Candidates are required to have a deep understanding of each of these topics to pass the exam.

To prepare for the Microsoft AI-102 exam, candidates should have a strong understanding of Azure services and AI concepts. They should also have experience in designing and implementing AI solutions, as well as knowledge of programming languages such as Python and C#. In addition, candidates should be familiar with machine learning concepts such as supervised and unsupervised learning, deep learning, and reinforcement learning. With the Microsoft AI-102 Certification, professionals can demonstrate their expertise in AI solution development and implementation on the Azure platform, opening up opportunities for career advancement and higher salaries.

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Microsoft AI-102 (Designing and Implementing a Microsoft Azure AI Solution) Exam is a certification exam that focuses on testing the skills and knowledge of a candidate in designing and implementing AI solutions using Microsoft Azure. AI-102 Exam is intended for individuals who have experience in working with Azure AI services and tools and want to obtain an official certification from Microsoft.

Microsoft Designing and Implementing a Microsoft Azure AI Solution Sample Questions (Q173-Q178):

NEW QUESTION # 173

You are building an Azure web app named App1 that will translate text from English to Spanish.
You need to use the Text Translation REST API to perform the translation. The solution must ensure that you have data sovereignty in the United States.
How should you complete the URI? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Answer:

Explanation:

Explanation:

1. api-nam.cognitive.microsofttranslator.com
2. translate
https://learn.microsoft.com/en-us/azure/cognitive-services/Translator/reference/v3-0-reference#base-urls Requests to Translator are, in most cases, handled by the datacenter that is closest to where the request originated. If there's a datacenter failure when using the global endpoint, the request may be routed outside of the geography.
To force the request to be handled within a specific geography, use the desired geographical endpoint. All requests are processed among the datacenters within the geography.
- United States
api-nam.cognitive.microsofttranslator.com
https://learn.microsoft.com/en-us/azure/cognitive-services/translator/reference/rest-api-guide
- translate
Translate specified source language text into the target language text.

NEW QUESTION # 174

You are building a chatbot.

You need to use the Content Moderator service to identify messages that contain sexually explicit language.

Which section in the response from the service will contain the category score, and which category will be assigned to the message?

To answer, select the appropriate options in the answer area, NOTE: Each correct selection is worth one point.

Answer:

Explanation:

NEW QUESTION # 175

SIMULATION

You need to create a Text Analytics service named Text12345678, and then enable logging for Text12345678. The solution must ensure that any changes to Text12345678 will be stored in a Log Analytics workspace.

To complete this task, sign in to the Azure portal.

Answer:

Explanation:

Step 1: Sign in to the QnA portal.

Step 2: Create an Azure Cognitive multi-service resource:

Step 3: On the Create page, provide the following information.
Name: Text12345678

Create Cognitive Services ...   ✕

Basics   Tags   Review + create

Get access to Vision, Language, Search, and Speech Cognitive Services with a single API key. Quickly connect services together to achieve more insights into your content and easily integrate with other services like Azure Search. Learn more

Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription * ⓘ   [⌄]

   Resource group * ⓘ   [⌄]
                                     Create new

Instance details

Region * ⓘ   [West US 2   ⌄]

ⓘ Location specifies the region only for included regional services. This does not specify a region for included non- ⧉
    regional services. Click here for more details.

Name * ⓘ   [MyCognitiveServicesResource   ✓]

Pricing tier * ⓘ   [⌄]

View full pricing details

By checking this box, I certify that use of   ☐
this service is not by or for a police
department in the United States.

I confirm I have read and understood the   ☐
notice below.

[Review + create]   < Previous   [Next : Tags >]   ▦ Microsoft

Step 4: Configure additional settings for your resource as needed, read and accept the conditions (as applicable), and then select Review + create.

Step 5: Navigate to the Azure portal. Then locate and select The Text Analytics service resource Text12345678 (which you created in Step 4).

Step 6: Next, from the left-hand navigation menu, locate Monitoring and select Diagnostic settings. This screen contains all previously created diagnostic settings for this resource.

Step 7: Select + Add diagnostic setting.

Step 8: When prompted to configure, select the storage account and OMS workspace that you'd like to use to store you diagnostic logs. Note: If you don't have a storage account or OMS workspace, follow the prompts to create one.

Step 9: Select Audit, RequestResponse, and AllMetrics. Then set the retention period for your diagnostic log data. If a retention policy is set to zero, events for that log category are stored indefinitely.

Step 10: Click Save.

It can take up to two hours before logging data is available to query and analyze. So don't worry if you don't see anything right away.

Reference:
https://docs.microsoft.com/en-us/azure/cognitive-services/cognitive-services-apis-create-account
https://docs.microsoft.com/en-us/azure/cognitive-services/diagnostic-logging

NEW QUESTION # 176

You have an Azure subscription.
You need to deploy an Azure AI Search resource that will recognize geographic locations.
Which built-in skill should you include in the skillset for the resource?

- A. DocumentExtractionSkill
- B. EntityRecognitionSkill
- C. EntityLinkingSkill
- D. AzureOpenAIEmbeddingSkill

Answer: B

Explanation:
The EntityRecognitionSkill in Azure AI Search is a built-in skill designed to identify and recognize specific types of entities within text, including geographic locations (such as cities, countries, and landmarks), as well as other entities like people and organizations. This makes it the appropriate choice for a skillset intended to recognize geographic locations.

NEW QUESTION # 177

Hotspot Question
You have a custom analyzer named analyzer1 that performs the following functions:
- The transcription of video content
- The extraction of key frames from videos
You run the following command.

```
curl -i -X POST "https://contoso-ai.openai.azure.com/contentunderstanding/analyzers/analyzer1?api-version=2024-12-01-preview" \
  -H "Ocp-Apim-Subscription-Key: 285d057e15e6419eaa5d175b9291ecc1" \
  -H "Content-Type: application/json" \
  -d "{\"url\":\"https://www.contoso.com/videos/video1.mp4\"}"
```

You receive the following output.

```
202 Accepted
Operation-Location: https://contoso-ai.openai.azure.com/contentunderstanding/analyzers/analyzer1/results/2cffcb70f71e413eb2193f6653d8028d?api-version=2024-12-01-preview
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

Answer Area

Statements	Yes	No
analyzer1 is in a ready state.	○	○
analyzer1 finished analyzing the file.	○	○
The key frames of Video1.mp4 can be retrieved by using the data in the command and the output.	○	○

Answer:

Explanation:

Statements	Yes	No
analyzer1 is in a ready state.	O	O
analyzer1 finished analyzing the file.	O	O
The key frames of Video1.mp4 can be retrieved by using the data in the command and the output.	O	O

Explanation:

Box 1: Yes

A 202 response is not an error code, instead it means that your first POST API call was successful.

Box 2: No

This call returns HTTP 202 Accepted. That means, Document intelligence starts the processing of my uploaded document:

Box 3: Yes

Azure AI Content Understanding video solutions

The pre-built video analyzer outputs RAG-ready Markdown that includes:

* Transcript: Inline transcripts in standard WEBVTT format

* Description: Natural-language segment descriptions with visual and speech context Segmentation: Automatic scene segmentation breaking the video into logical chunks

*-> Key Frames: Ordered key-frame thumbnails enabling deeper analysis

Reference:

https://developer.mozilla.org/en-US/docs/Web/HTTP/Status/202

https://github.com/MicrosoftDocs/azure-ai-docs/blob/main/articles/ai-services/content- understanding/video/overview.md

NEW QUESTION # 178

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myportal.utt.edu.tt, myportal.utt.edu.tt, www.stes.tyc.edu.tw, www.stes.tyc.edu.tw, myportal.utt.edu.tt, www.stes.tyc.edu.tw, Disposable vapes

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