

Microsoft

AI-102

Designing and Implementing a Microsoft Azure AI Solution

v28.9

DEMO QUESTIONS

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Question 1. (Multi Select)

You are developing the smart e-commerce project.

You need to implement autocompletion as part of the Cognitive Search solution.

Which three actions should you perform? Each correct answer presents part of the solution. (Choose three.)

NOTE: Each correct selection is worth one point.

A: Make API queries to the autocomplete endpoint and include suggesterName in the body.

B: Add a suggester that has the three product name fields as source fields.

C: Make API queries to the search endpoint and include the product name fields in the searchFields query parameter.

D: Add a suggester for each of the three product name fields.

E: Set the searchAnalyzer property for the three product name variants.

F: Set the analyzer property for the three product name variants.

Answer: A, B, F

Explanation:

Scenario: Support autocompletion and autosuggestion based on all product name variants.

A: Call a suggester-enabled query, in the form of a Suggestion request or Autocomplete request, using an API. API usage is illustrated in the following call to the Autocomplete REST API.

```
POST /indexes/myxboxgames/docs/autocomplete?search&api-version=2020-06-30
```

```
{  
  "search": "minecraf",  
  "suggesterName": "sg"  
}
```

B: In Azure Cognitive Search, typeahead or "search-as-you-type" is enabled through a suggester. A suggester provides a list of fields that undergo additional tokenization, generating prefix sequences to support matches on partial terms. For example, a suggester that includes a City field with a value for "Seattle" will have prefix combinations of "sea", "seat", "seatt", and "seattl" to support typeahead.

<https://docs.microsoft.com/en-us/azure/search/index-add-suggesters>

Question 2. (HOTSPOT)

You are planning the product creation project.

You need to build the REST endpoint to create the multilingual product descriptions.

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 Area

<input type="text"/>	<input type="text"/>	?api-version=3.0&to=es&to=pt
api.cognitive.microsofttranslator.com	/detect	
api-nam.cognitive.microsofttranslator.com	/languages	
westus.tts.speech.microsoft.com	/text-to-speech	
wwics.cognitiveservices.azure.com/translator	/translate	

Answer:

Answer Area

<input type="text"/>	<input type="text"/>	?api-version=3.0&to=es&to=pt
api.cognitive.microsofttranslator.com	/detect	
api-nam.cognitive.microsofttranslator.com	/languages	
westus.tts.speech.microsoft.com	/text-to-speech	
wwics.cognitiveservices.azure.com/translator	/translate	

Explanation:

<https://docs.microsoft.com/en-us/azure/cognitive-services/translator/reference/v3-0-translate>

Question 3. (ORDERLIST)

You are developing a solution for the Management-Bookkeepers group to meet the document processing requirements. The solution must contain the following components:

A From Recognizer resource

An Azure web app that hosts the Form Recognizer sample labeling tool

The Management-Bookkeepers group needs to create a custom table extractor by using the sample labeling tool.

Which three actions should the Management-Bookkeepers group perform in sequence? To answer, move the appropriate cmdlets from the list of cmdlets to the answer area and arrange them in the correct order.

Actions	Answer Area
Train a custom model	
Label the sample documents	>
Create a new project and load sample documents	<
Create a composite model	

- A: Train a custom model
- B: Label the sample documents
- C: Create a new project and load sample documents
- D: Create a composite model

Answer: C, B, A

Explanation:

<https://docs.microsoft.com/en-us/azure/applied-ai-services/form-recognizer/label-tool>

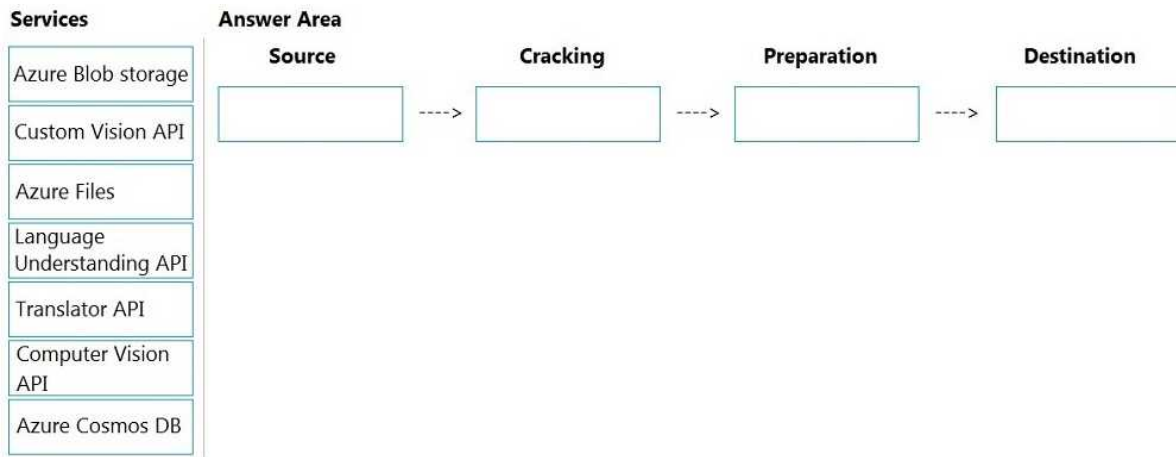
Question 4. (DRAGDROP)

You are developing the smart e-commerce project.

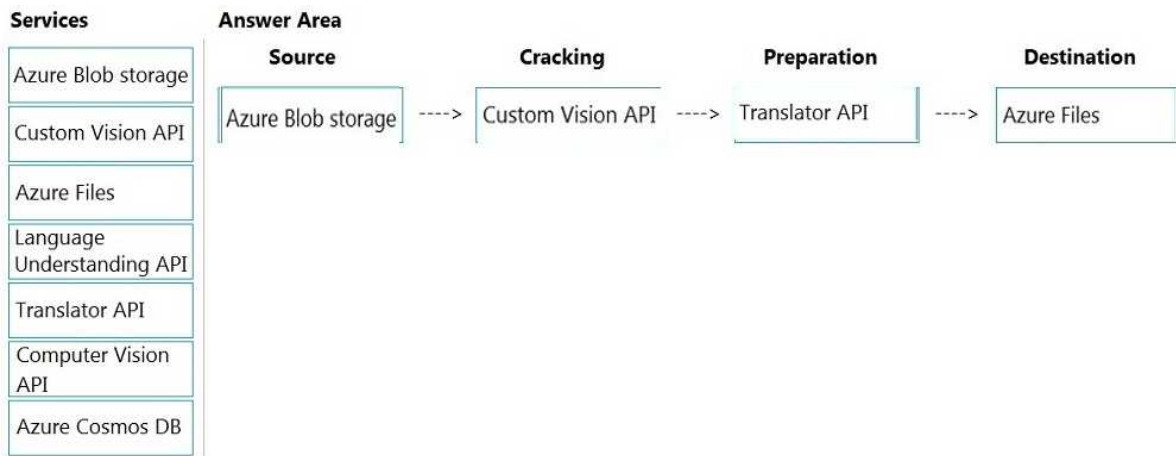
You need to design the skillset to include the contents of PDFs in searches.

How should you complete the skillset design diagram? To answer, drag the appropriate services to the correct stages. Each service may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.



Answer:



Explanation:

<https://docs.microsoft.com/en-us/azure/search/cognitive-search-concept-intro>

<https://docs.microsoft.com/en-us/azure/cognitive-services/computer-vision/overview-ocr>

Question 5. (Single Select)

You need to develop an extract solution for the receipt images. The solution must meet the document processing requirements and the technical requirements.

You upload the receipt images to the From Recognizer API for analysis, and the API returns the following JSON.

```
"documentResults": [
  {
    "docType": "prebuilt:receipt",
    "pageRange": [
      1,
      1
    ],
    "fields": {
      "ReceiptType": {
        "type": "string",
        "valueString": "Itemized",
        "confidence": 0.672
      },
      "MerchantName": {
        "type": "string",
        "valueString": "Tailwind",
        "text": "Tailwind",
        "boundingBox": [],
        "page": 1,
        "confidence": 0.913,
        "elements": [
          "#/readResults/0/lines/0/words/0"
        ]
      }
    }
  },
  ...
]
```

Which expression should you use to trigger a manual review of the extracted information by a member of the Consultant-Bookkeeper group?

- A: `documentResults.docType == "prebuilt:receipt"`
- B: `documentResults.fields.confidence < 0.7`
- C: `documentResults.fields.ReceiptType.confidence > 0.7`
- D: `documentResults.fields.MerchantName.confidence < 0.7`

Answer: D

Explanation:

Need to specify the field name, and then use `< 0.7` to handle trigger if confidence score is less than 70%.
<https://docs.microsoft.com/en-us/azure/applied-ai-services/form-recognizer/api-v2-0/reference-sdk-api-v2-0>

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