

## Exam Questions AI-102

Designing and Implementing an Azure AI Solution

<https://www.2passeasy.com/dumps/AI-102/>



### NEW QUESTION 1

- (Exam Topic 1)

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.

Services	Answer Area			
	Source	Cracking	Preparation	Destination
Azure Blob storage				
Custom Vision API				
Azure Files				
Language Understanding API				
Translator API				
Computer Vision API				
Azure Cosmos DB				

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

Box 1: Azure Blob storage

At the start of the pipeline, you have unstructured text or non-text content (such as images, scanned documents, or JPEG files). Data must exist in an Azure data storage service that can be accessed by an indexer.

Box 2: Computer Vision API

Scenario: Provide users with the ability to search insight gained from the images, manuals, and videos associated with the products.

The Computer Vision Read API is Azure's latest OCR technology (learn what's new) that extracts printed text (in several languages), handwritten text (English only), digits, and currency symbols from images and multi-page PDF documents.

Box 3: Translator API

Scenario: Product descriptions, transcripts, and all text must be available in English, Spanish, and Portuguese. Box 4: Azure Files

Scenario: Store all raw insight data that was generated, so the data can be processed later. Reference:

<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>

### NEW QUESTION 2

- (Exam Topic 2)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You create a web app named app1 that runs on an Azure virtual machine named vm1. Vm1 is on an Azure virtual network named vnet1.

You plan to create a new Azure Cognitive Search service named service1.

You need to ensure that app1 can connect directly to service1 without routing traffic over the public internet. Solution: You deploy service1 and a public endpoint, and you configure a network security group (NSG) for vnet1.

Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

#### Explanation:

Reference:

<https://docs.microsoft.com/en-us/azure/private-link/private-link-overview>

### NEW QUESTION 3

- (Exam Topic 2)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You build a language model by using a Language Understanding service. The language model is used to search for information on a contact list by using an intent named FindContact.

A conversational expert provides you with the following list of phrases to use for training. Find contacts in London. Who do I know in Seattle?

Search for contacts in Ukraine.

You need to implement the phrase list in Language Understanding. Solution: You create a new pattern in the FindContact intent. Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

**Explanation:**

Instead use a new intent for location.

Note: An intent represents a task or action the user wants to perform. It is a purpose or goal expressed in a user's utterance.

Define a set of intents that corresponds to actions users want to take in your application. Reference: <https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-concept-intent>

**NEW QUESTION 4**

- (Exam Topic 2)

You need to implement a table projection to generate a physical expression of an Azure Cognitive Search index.

Which three properties should you specify in the skillset definition JSON configuration table node? Each correct answer presents part of the solution. (Choose three.)

NOTE: Each correct selection is worth one point.

- A. tableName
- B. generatedKeyName
- C. dataSource
- D. dataSourceConnection
- E. source

**Answer:** ABE

**Explanation:**

Defining a table projection.

Each table requires three properties:

tableName: The name of the table in Azure Storage.

generatedKeyName: The column name for the key that uniquely identifies this row.

source: The node from the enrichment tree you are sourcing your enrichments from. This node is usually the output of a shaper, but could be the output of any of the skills.

Reference:

<https://docs.microsoft.com/en-us/azure/search/knowledge-store-projection-overview>

**NEW QUESTION 5**

- (Exam Topic 2)

You build a custom Form Recognizer model.

You receive sample files to use for training the model as shown in the following table.

Name	Type	Size
File1	PDF	20 MB
File2	MP4	100 MB
File3	JPG	20 MB
File4	PDF	100 MB
File5	GIF	1 MB
File6	JPG	40 MB

Which three files can you use to train the model? Each correct answer presents a complete solution. (Choose three.)

NOTE: Each correct selection is worth one point.

- A. File1
- B. File2
- C. File3
- D. File4
- E. File5
- F. File6

**Answer:** ACF

**Explanation:**

Input requirements

Form Recognizer works on input documents that meet these requirements:

Format must be JPG, PNG, PDF (text or scanned), or TIFF. Text-embedded PDFs are best because there's no possibility of error in character extraction and location.

File size must be less than 50 MB. Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/form-recognizer/overview>

**NEW QUESTION 6**

- (Exam Topic 2)

You have an existing Azure Cognitive Search service.

You have an Azure Blob storage account that contains millions of scanned documents stored as images and PDFs.

You need to make the scanned documents available to search as quickly as possible. What should you do?

- A. Split the data into multiple blob container
- B. Create a Cognitive Search service for each containe
- C. Within each indexer definition, schedule the same runtime execution pattern.
- D. Split the data into multiple blob container
- E. Create an indexer for each containe
- F. Increase the search unit
- G. Within each indexer definition, schedule a sequential execution pattern.
- H. Create a Cognitive Search service for each type of document.
- I. Split the data into multiple virtual folder
- J. Create an indexer for each folde
- K. Increase the search units.Within each indexer definition, schedule the same runtime execution pattern.

Answer: D

Explanation:

Reference:  
<https://docs.microsoft.com/en-us/azure/search/search-howto-indexing-azure-blob-storage>

### NEW QUESTION 7

- (Exam Topic 2)

You have a web app that uses Azure Cognitive Search.

When reviewing billing for the app, you discover much higher than expected charges. You suspect that the query key is compromised.

You need to prevent unauthorized access to the search endpoint and ensure that users only have read only access to the documents collection. The solution must minimize app downtime.

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

Actions	Answer Area
Add a new query key.	
Regenerate the secondary admin key.	
Change the app to use the secondary admin key.	⬅️ ⬆️
Change the app to use the new key.	➡️ ⬇️
Regenerate the primary admin key.	
Delete the compromised key.	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Graphical user interface, text Description automatically generated

Reference:  
<https://docs.microsoft.com/en-us/azure/search/search-security-api-keys>

### NEW QUESTION 8

- (Exam Topic 2)

You are developing a call to the Face API. The call must find similar faces from an existing list named employeeefaces. The employeeefaces list contains 60,000 images.

How should you complete the body of the HTTP request? To answer, drag the appropriate values to the correct targets. Each value 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.

Values	Answer Area
"faceListId"	{
"LargeFaceListId"	"faceId": "18c51a87-3a69-47a8-aedc-a54745f708a1",
"matchFace"	<input type="text"/> : "employeeefaces",
"matchPerson"	"maxNumOfCandidatesReturned": 1,
	"mode": <input type="text"/>
	}

- A. Mastered



B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: LargeFaceListID

LargeFaceList: Add a face to a specified large face list, up to 1,000,000 faces.

Note: Given query face's faceId, to search the similar-looking faces from a faceId array, a face list or a large face list. A "faceListId" is created by FaceList - Create containing persistedFaceIds that will not expire. And a "largeFaceListId" is created by LargeFaceList - Create containing persistedFaceIds that will also not expire.

Reference:

<https://docs.microsoft.com/en-us/rest/api/faceapi/face/findsimilar>

**NEW QUESTION 9**

- (Exam Topic 2)

You successfully run the following HTTP request. POST

[https://management.azure.com/subscriptions/18c51a87-3a69-47a8-aedc-a54745f708a1/resourceGroups/RG1/pro](https://management.azure.com/subscriptions/18c51a87-3a69-47a8-aedc-a54745f708a1/resourceGroups/RG1/providers/Microsoft.CognitiveServices/accounts/acc1/regenerateKey?api-version=2017-04-18)

Body{"keyName": "Key2"} What is the result of the request?

- A. A key for Azure Cognitive Services was generated in Azure Key Vault.
- B. A new query key was generated.
- C. The primary subscription key and the secondary subscription key were rotated.
- D. The secondary subscription key was reset.

**Answer:** B

**Explanation:**

Accounts - Regenerate Key regenerates the specified account key for the specified Cognitive Services account. Syntax:

POST [https://management.azure.com/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/](https://management.azure.com/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.CognitiveServices/accounts/{accountName}/regenerateKey?api-version=2017-04-18)

[providers/Microsoft.CognitiveServices/accounts/{accountName}/regenerateKey?api-version=2017-04-18](https://management.azure.com/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.CognitiveServices/accounts/{accountName}/regenerateKey?api-version=2017-04-18)

Reference:

<https://docs.microsoft.com/en-us/rest/api/cognitiveservices/accountmanagement/accounts/regeneratekey>

**NEW QUESTION 10**

- (Exam Topic 2)

Your company wants to reduce how long it takes for employees to log receipts in expense reports. All the receipts are in English.

You need to extract top-level information from the receipts, such as the vendor and the transaction total. The solution must minimize development effort.

Which Azure Cognitive Services service should you use?

- A. Custom Vision
- B. Personalizer
- C. Form Recognizer
- D. Computer Vision

**Answer:** C

**Explanation:**

Azure Form Recognizer is a cognitive service that lets you build automated data processing software using machine learning technology. Identify and extract text, key/value pairs, selection marks, tables, and structure from your documents—the service outputs structured data that includes the relationships in the original file, bounding boxes, confidence and more.

Form Recognizer is composed of custom document processing models, prebuilt models for invoices, receipts, IDs and business cards, and the layout model.

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/form-recognizer>

**NEW QUESTION 10**

- (Exam Topic 2)

You have a chatbot that was built by using the Microsoft Bot Framework. You need to debug the chatbot endpoint remotely.

Which two tools should you install on a local computer? Each correct answer presents part of the solution. (Choose two.)

NOTE: Each correct selection is worth one point.

- A. Fiddler
- B. Bot Framework Composer
- C. Bot Framework Emulator
- D. Bot Framework CLI
- E. ngrok
- F. nginx

**Answer:** CE

**Explanation:**

Bot Framework Emulator is a desktop application that allows bot developers to test and debug bots, either locally or remotely.

ngrok is a cross-platform application that "allows you to expose a web server running on your local machine to the internet." Essentially, what we'll be doing is using ngrok to forward messages from external channels on the web directly to our local machine to allow debugging, as opposed to the standard messaging endpoint configured in the Azure portal.

Reference:

<https://docs.microsoft.com/en-us/azure/bot-service/bot-service-debug-emulator>

**NEW QUESTION 15**

- (Exam Topic 2)

You are developing a webpage that will use the Video Indexer service to display videos of internal company meetings.

You embed the Player widget and the Cognitive Insights widget into the page. You need to configure the widgets to meet the following requirements:

- Ensure that users can search for keywords.
- Display the names and faces of people in the video.
- Show captions in the video in English (United States).

How should you complete the URL for each widget? To answer, drag the appropriate values to the correct targets. Each value 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.

Values

en-US

false

people,keywords

people,search

search

true

Answer Area

Cognitive Insights Widget

https://www.videoindexer.ai/embed/insights/<accountId>/<videoId>/?widgets= 

Value

 controls= 

Value

Player Widget

https://www.videoindexer.ai/embed/player/<accountId>/<videoId>/? showcaptions= 

Value

 captions= 

Value

A. Mastered  
B. Not Mastered

Answer: A

Explanation:

Graphical user interface, text, application, Word, email Description automatically generated

NEW QUESTION 17

- (Exam Topic 2)

You are using a Language Understanding service to handle natural language input from the users of a web-based customer agent.

The users report that the agent frequently responds with the following generic response: "Sorry, I don't understand that."

You need to improve the ability of the agent to respond to requests.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order. (Choose three.)

Actions

Add prebuilt domain models as required.

Validate the utterances logged for review and modify the model.

Migrate authoring to an Azure resource authoring key.

Enable active learning.

Enable log collection by using Log Analytics.

Train and republish the Language Understanding model.

Answer Area

A. Mastered  
B. Not Mastered

Answer: A

Explanation:

Step 1: Add prebuilt domain models as required.

Prebuilt models provide domains, intents, utterances, and entities. You can start your app with a prebuilt model or add a relevant model to your app later.

Note: Language Understanding (LUIS) provides prebuilt domains, which are pre-trained models of intents and entities that work together for domains or common categories of client applications.

The prebuilt domains are trained and ready to add to your LUIS app. The intents and entities of a prebuilt domain are fully customizable once you've added them to your app.

Step 2: Enable active learning

To enable active learning, you must log user queries. This is accomplished by calling the endpoint query with the log=true querystring parameter and value.

Step 3: Train and republish the Language Understanding model

The process of reviewing endpoint utterances for correct predictions is called Active learning. Active learning captures endpoint queries and selects user's endpoint utterances that it is unsure of. You review these utterances to select the intent and mark entities for these real-world utterances. Accept these changes into your example utterances then train and publish. LUIS then identifies utterances more accurately.

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Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-how-to-review-endpoint-utterances#log-user-> <https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-concept-prebuilt-model>

### NEW QUESTION 18

- (Exam Topic 2)

You are developing a method that uses the Computer Vision client library. The method will perform optical character recognition (OCR) in images. The method has the following code.

```
public static async Task ReadFileUrl(ComputerVisionClient client, string urlFile)
{
    const int numberOfCharsInOperationId = 36;

    var txtHeaders = await client.ReadAsync(urlFile, language: "en");

    string opLocation = txtHeaders.OperationLocation;
    string operationId = opLocation.Substring(opLocation.Length -
        numberOfCharsInOperationId);

    ReadOperationResult results;

    results = await client.GetReadResultAsync(Guid.Parse(operationId));

    var textUrlFileResults = results.AnalyzeResult.ReadResults;
    foreach (ReadResult page in textUrlFileResults)
    {
        foreach (Line line in page.Lines)
        {
            Console.WriteLine(line.Text);
        }
    }
}
```

During testing, you discover that the call to the GetReadResultAsync method occurs before the read operation is complete.

You need to prevent the GetReadResultAsync method from proceeding until the read operation is complete. Which two actions should you perform? Each correct answer presents part of the solution. (Choose two.) NOTE: Each correct selection is worth one point.

- A. Remove the Guid.Parse(operationId) parameter.
- B. Add code to verify the results.Status value.
- C. Add code to verify the status of the txtHeaders.Status value.
- D. Wrap the call to GetReadResultAsync within a loop that contains a delay.

**Answer: BD**

**Explanation:**

Example code : do

```
{
results = await client.GetReadResultAsync(Guid.Parse(operationId));
}
```

while ((results.Status == OperationStatusCodes.Running || results.Status == OperationStatusCodes.NotStarted)); Reference:  
<https://github.com/Azure-Samples/cognitive-services-quickstart-code/blob/master/dotnet/ComputerVision/Comp>

### NEW QUESTION 21

- (Exam Topic 2)

You are building a multilingual chatbot.

You need to send a different answer for positive and negative messages.

Which two Text Analytics APIs should you use? Each correct answer presents part of the solution. (Choose two.)

NOTE: Each correct selection is worth one point.

- A. Linked entities from a well-known knowledge base
- B. Sentiment Analysis
- C. Key Phrases
- D. Detect Language
- E. Named Entity Recognition

**Answer: BD**

**Explanation:**

B: The Text Analytics API's Sentiment Analysis feature provides two ways for detecting positive and negative sentiment. If you send a Sentiment Analysis request, the API will return sentiment labels (such as "negative", "neutral" and "positive") and confidence scores at the sentence and document-level.

D: The Language Detection feature of the Azure Text Analytics REST API evaluates text input for each document and returns language identifiers with a score that indicates the strength of the analysis.

This capability is useful for content stores that collect arbitrary text, where language is unknown. Reference: <https://docs.microsoft.com/en-us/azure/cognitive-services/text-analytics/how-tos/text-analytics-how-to-sentiment-analysis?tabs=version-3-1>

<https://docs.microsoft.com/en-us/azure/cognitive-services/text-analytics/how-tos/text-analytics-how-to-language-detection>

### NEW QUESTION 25

- (Exam Topic 2)

You plan to deploy a containerized version of an Azure Cognitive Services service that will be used for text analysis.

You configure <https://contoso.cognitiveservices.azure.com> as the endpoint URI for the service, and you pull the latest version of the Text Analytics Sentiment



Analysis container.

You need to run the container on an Azure virtual machine by using Docker.

How should you complete the command? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

### Answer Area

`docker run --rm -it -p 5000:5000 --memory 8g --cpus 1 \`

<code>http://contoso.blob.core.windows.net</code>
<code>https://contoso.cognitiveservices.azure.com</code>
<code>mcr.microsoft.com/azure-cognitive-services/textanalytics/keyphrase</code>
<code>mcr.microsoft.com/azure-cognitive-services/textanalytics/sentiment</code>

`Eula=accept \`

`Billing=`

<code>http://contoso.blob.core.windows.net</code>
<code>https://contoso.cognitiveservices.azure.com</code>
<code>mcr.microsoft.com/azure-cognitive-services/textanalytics/keyphrase</code>
<code>mcr.microsoft.com/azure-cognitive-services/textanalytics/sentiment</code>

`ApiKey=xxxxxxxxxxxxxxxxxxxxxx`

- A. Mastered
- B. Not Mastered

Answer: A

### Explanation:

Box 1: mcr.microsoft.com/azure-cognitive-services/textanalytics/sentiment

To run the Sentiment Analysis v3 container, execute the following docker run command. `docker run --rm -it -p 5000:5000 --memory 8g --cpus 1 \`

`mcr.microsoft.com/azure-cognitive-services/textanalytics/sentiment \ Eula=accept \`

`Billing={ENDPOINT_URI} \`

`ApiKey={API_KEY}` is the endpoint for accessing the Text Analytics API. `https://<your-custom-subdomain>.cognitiveservices.azure.com`

Box 2: `https://contoso.cognitiveservices.azure.com`

`{ENDPOINT_URI}` is the endpoint for accessing the Text Analytics API:

`https://<your-custom-subdomain>.cognitiveservices.a` The endpoint for accessing the Text Analytics API. `zure.com`

Reference:

`https://docs.microsoft.com/en-us/azure/cognitive-services/text-analytics/how-tos/text-analytics-how-to-install-co`

### NEW QUESTION 27

- (Exam Topic 2)

You are developing a method for an application that uses the Translator API.

The method will receive the content of a webpage, and then translate the content into Greek (el). The result will also contain a transliteration that uses the Roman alphabet.

You need to create the URI for the call to the Translator API. You have the following URI. `https://api.cognitive.microsofttranslator.com/translate?api-version=3.0`

Which three additional query parameters should you include in the URI? Each correct answer presents part of the solution. (Choose three.)

NOTE: Each correct selection is worth one point.

- A. `toScript=Cyrl`
- B. `from=el`
- C. `textType=html`
- D. `to=el`
- E. `textType=plain`
- F. `toScript=Latn`

Answer: CDF

### Explanation:

C: `textType` is an optional parameter. It defines whether the text being translated is plain text or HTML text (used for web pages).

D: `to` is a required parameter. It specifies the language of the output text. The target language must be one of the supported languages included in the translation scope.

F: `toScript` is an optional parameter. It specifies the script of the translated text. We use Latin (Roman alphabet) script.

Reference:

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

### NEW QUESTION 32

- (Exam Topic 2)

You deploy a web app that is used as a management portal for indexing in Azure Cognitive Search. The app is configured to use the primary admin key.

During a security review, you discover unauthorized changes to the search index. You suspect that the primary access key is compromised.

You need to prevent unauthorized access to the index management endpoint. The solution must minimize downtime.

What should you do next?

- A. Regenerate the primary admin key, change the app to use the secondary admin key, and then regenerate the secondary admin key.
- B. Change the app to use a query key, and then regenerate the primary admin key and the secondary admin key.
- C. Regenerate the secondary admin key, change the app to use the secondary admin key, and then regenerate the primary key.
- D. Add a new query key, change the app to use the new query key, and then delete all the unused query keys.



Answer: A

**Explanation:**

Regenerate admin keys.

Two admin keys are created for each service so that you can rotate a primary key, using the secondary key for business continuity.

\* 1. In the Settings >Keys page, copy the secondary key.

\* 2. For all applications, update the API key settings to use the secondary key.

\* 3. Regenerate the primary key.

\* 4. Update all applications to use the new primary key.

Note: Two admin api-keys, referred to as primary and secondary keys in the portal, are automatically generated when the service is created and can be individually regenerated on demand. Having two keys allows you to roll over one key while using the second key for continued access to the service.

Reference:

<https://docs.microsoft.com/en-us/azure/search/search-security-api-keys#regenerate-admin-keys>

**NEW QUESTION 33**

- (Exam Topic 2)

You have 100 chatbots that each has its own Language Understanding model. Frequently, you must add the same phrases to each model.

You need to programmatically update the Language Understanding models to include the new phrases.

How should you complete the code? To answer, drag the appropriate values to the correct targets. Each value 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.

Values	Answer Area
AddPhraseListAsync	var phraselistId = await client.Features. <input type="text"/>
Phraselist	(appId, versionId, new <input type="text"/>
PhraselistCreateObject	{
Phrases	EnabledForAllModels = false,
SavePhraselistAsync	IsExchangeable = true,
UploadPhraseListAsync	Name = "PL1",
	Phrases = "item1,item2,item3,item4,item5"
	});

A. Mastered

B. Not Mastered

Answer: A

**Explanation:**

Box 1: AddPhraseListAsync

Example: Add phraselist feature

var phraselistId = await client.Features.AddPhraseListAsync(appId, versionId, new PhraselistCreateObject

```
{
  EnabledForAllModels = false, IsExchangeable = true,
  Name = "QuantityPhraselist", Phrases = "few,more,extra"
});
```

Box 2: PhraselistCreateObject Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/client-libraries-rest-api>

**NEW QUESTION 37**

- (Exam Topic 2)

You are developing a service that records lectures given in English (United Kingdom).

You have a method named AppendToTranscriptFile that takes translated text and a language identifier.

You need to develop code that will provide transcripts of the lectures to attendees in their respective language. The supported languages are English, French, Spanish, and German.

How should you complete the code? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

#### Answer Area

```
static async Task TranslateSpeechAsync()
{
    var config = SpeechTranslationConfig.FromSubscription("69cad5cc-0ab3-4704-bdff-afbf4aa07d85", "uksouth");

    var lang = new List<string>
    {
        "en-GB",
        "fr", "de", "es",
        "French", "Spanish", "German"
    };

    config.SpeechRecognitionLanguage = "en-GB";
    lang.ForEach(config.AddTargetLanguage);

    using var audioConfig = AudioConfig.FromDefaultMicrophoneInput();
    using var recognizer = new TranslationRecognizer(config, audioConfig);

    var result = await recognizer.RecognizeOnceAsync();
    if (result.Reason == ResultReason.TranslatedSpeech)
```

- A. Mastered  
B. Not Mastered

Answer: A

#### Explanation:

Box 1: {"fr", "de", "es"}

A common task of speech translation is to specify target translation languages, at least one is required but multiples are supported. The following code snippet sets both French and German as translation language targets.

```
static async Task TranslateSpeechAsync()
{
    var translationConfig =
        SpeechTranslationConfig.FromSubscription(SPEECH SUBSCRIPTION KEY, SPEECH SERVICE REGION);
    translationConfig.SpeechRecognitionLanguage = "it-IT";
    // Translate to languages. See, https://aka.ms/speech/sttt-languages translationConfig.AddTargetLanguage("fr"); translationConfig.AddTargetLanguage("de");
}
```

Box 2: TranslationRecognizer

After you've created a SpeechTranslationConfig, the next step is to initialize a TranslationRecognizer. Example code:

```
static async Task TranslateSpeechAsync()
{
    var translationConfig =
        SpeechTranslationConfig.FromSubscription(SPEECH SUBSCRIPTION KEY, SPEECH SERVICE REGION);
    var fromLanguage = "en-US";
    var toLanguages = new List<string> { "it", "fr", "de" }; translationConfig.SpeechRecognitionLanguage = fromLanguage;
    toLanguages.ForEach(translationConfig.AddTargetLanguage);
    using var recognizer = new TranslationRecognizer(translationConfig);
}
```

#### NEW QUESTION 41

- (Exam Topic 2)

You plan to use containerized versions of the Anomaly Detector API on local devices for testing and in on-premises datacenters.

You need to ensure that the containerized deployments meet the following requirements:

- > Prevent billing and API information from being stored in the command-line histories of the devices that run the container.
- > Control access to the container images by using Azure role-based access control (Azure RBAC). Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order. (Choose four.)

NOTE: More than one order of answer choices is correct. You will receive credit for any of the correct orders you select.

#### Actions

#### Answer Area

- Create a custom Dockerfile.
- Pull the Anomaly Detector container image.
- Distribute a docker run script.
- Push the image to an Azure container registry.
- Build the image.
- Push the image to Docker Hub.

- A. Mastered  
B. Not Mastered

Answer: A

#### Explanation:

Step 1: Pull the Anomaly Detector container image.  
 Step 2: Create a custom Dockerfile  
 Step 3: Push the image to an Azure container registry.  
 To push an image to an Azure Container registry, you must first have an image.  
 Step 4: Distribute the docker run script  
 Use the docker run command to run the containers. Reference:  
<https://docs.microsoft.com/en-us/azure/container-registry/container-registry-intro>

### NEW QUESTION 43

- (Exam Topic 2)

You have a Custom Vision resource named acvdev in a development environment. You have a Custom Vision resource named acvprod in a production environment.

In acvdev, you build an object detection model named obj1 in a project named proj1. You need to move obj1 to acvprod.

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

Actions	Answer Area
Use the ExportProject endpoint on acvdev.	
Use the GetProjects endpoint on acvdev.	
Use the ImportProject endpoint on acvprod.	⬅
Use the ExportIteration endpoint on acvdev.	➡
Use the GetIterations endpoint on acvdev.	
Use the UpdateProject endpoint on acvprod.	⬆
	⬇

- A. Mastered
- B. Not Mastered

Answer: A

#### Explanation:

Text Description automatically generated

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/custom-vision-service/copy-move-projects>

### NEW QUESTION 45

- (Exam Topic 2)

You build a conversational bot named bot1.

You need to configure the bot to use a QnA Maker application.

From the Azure Portal, where can you find the information required by bot1 to connect to the QnA Maker application?

- A. Access control (IAM)
- B. Properties
- C. Keys and Endpoint
- D. Identity

Answer: C

#### Explanation:

Obtain values to connect your bot to the knowledge base

\* 1. In the QnA Maker site, select your knowledge base.

\* 2. With your knowledge base open, select the SETTINGS tab. Record the value shown for service name. This value is useful for finding your knowledge base of interest when using the QnA Maker portal interface. It's not used to connect your bot app to this knowledge base.

\* 3. Scroll down to find Deployment details and record the following values from the Postman sample HTTP request:

\* 4. POST /knowledgebases/<knowledge-base-id>/generateAnswer

\* 5.Host: <your-host-url>

\* 6. Authorization: EndpointKey <your-endpoint-key> Reference:

<https://docs.microsoft.com/en-us/azure/bot-service/bot-builder-howto-qna>

### NEW QUESTION 50

- (Exam Topic 2)

You are developing a streaming Speech to Text solution that will use the Speech SDK and MP3 encoding. You need to develop a method to convert speech to text for streaming MP3 data.

How should you complete the code? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.



```
var audioFormat = (AudioStreamContainerFormat.MP3);
var speechConfig = SpeechConfig.FromSubscription("18c51a87-3a69-47a8-aedc-a54745f708a1", "westus");
var audioConfig = AudioConfig.FromStreamInput(pushStream, audioFormat);
using (var recognizer = new (speechConfig, audioConfig))
{
    var result = await recognizer.RecognizeOnceAsync();
    var text = result.Text;
}
```

- A. Mastered  
 B. Not Mastered

**Answer:** A

**Explanation:**

Graphical user interface, text, application, email Description automatically generated

Reference:

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

**NEW QUESTION 51**

- (Exam Topic 2)

You are developing an internet-based training solution for remote learners.

Your company identifies that during the training, some learners leave their desk for long periods or become distracted.

You need to use a video and audio feed from each learner's computer to detect whether the learner is present and paying attention. The solution must minimize development effort and identify each learner.

Which Azure Cognitive Services service should you use for each requirement? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

From a learner's video feed, verify whether the learner is present:

Face  
 Speech  
 Text Analytics

From a learner's facial expression in the video feed, verify whether the learner is paying attention:

Face  
 Speech  
 Text Analytics

From a learner's audio feed, detect whether the learner is talking:

Face  
 Speech  
 Text Analytics

- A. Mastered  
 B. Not Mastered

**Answer:** A

**Explanation:**

Graphical user interface, text, application, email Description automatically generated

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/what-are-cognitive-services>

**NEW QUESTION 54**



- (Exam Topic 2)

You need to measure the public perception of your brand on social media messages. Which Azure Cognitive Services service should you use?

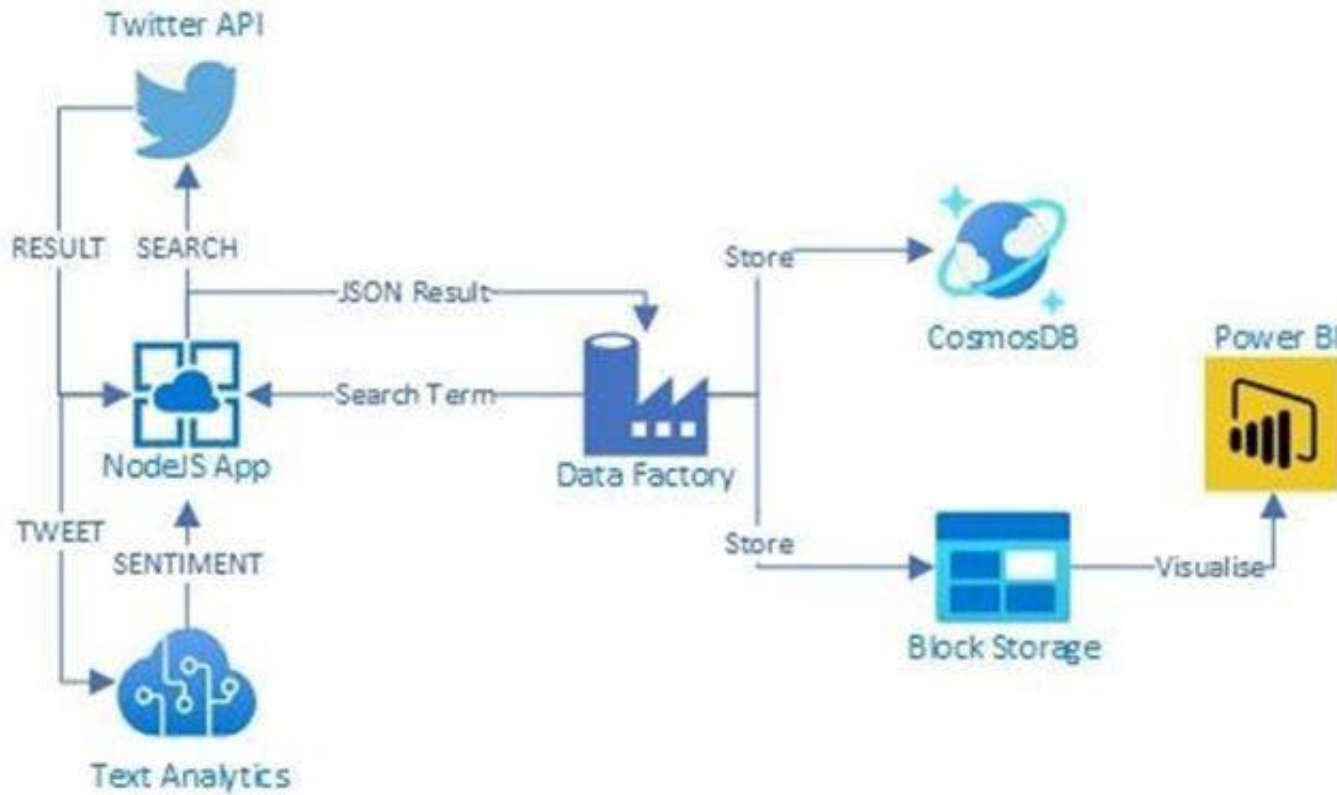
- A. Text Analytics
- B. Content Moderator
- C. Computer Vision
- D. Form Recognizer

**Answer:** A

**Explanation:**

Text Analytics Cognitive Service could be used to quickly determine the public perception for a specific topic, event or brand.

Example: A NodeJS app which pulls Tweets from Twitter using the Twitter API based on a specified search term. Then pass these onto Text Analytics for sentiment scoring before storing the data and building a visualisation in PowerBI. The Architecture looked something like this:



Reference:

<https://www.linkedin.com/pulse/measuring-public-perception-azure-cognitive-services-steve-dalai>

**NEW QUESTION 56**

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