

Certification Provider: Microsoft

Exam: Designing and Implementing a Microsoft Azure AI Solution

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Case Study 1 - Wide World Importers

Overview -

A company named Wide World Importers is developing an e-commerce platform. You are working with a solutions architect to design and implement the features of the e-commerce platform. The platform will use microservices and a serverless environment built on Azure.

Wide World Importers has a customer base that includes English, Spanish, and Portuguese speakers.

Existing Environment -

Applications -

Wide World Importers has an App Service plan that contains the web apps shown in the following table.

Name	Description
Product Management	An app used by employees to create and manage products. The app and the expected inputs from the employees are in English.
Inventory Tracking	An app used by employees to manage inventory when dispatching orders, receiving refunds, and receiving consignments from suppliers.

Azure Resources -

You have the following resources:

An Azure Active Directory (Azure AD) tenant

- The tenant supports internal authentication.
- All employees belong to a group named AllUsers.
- Senior managers belong to a group named LeadershipTeam.

An Azure Functions resource

- A function app posts to Azure Event Grid when stock levels of a product change between OK, Low Stock, and Out of Stock. The function app uses the Azure Cosmos DB change feed.

An Azure Cosmos DB account

- The account uses the Core (SQL) API.
- The account stores data for the Product Management app and the Inventory Tracking app.

An Azure Storage account

- The account contains blob containers for assets related to products.
- The assets include images, videos, and PDFs.

An Azure Cognitive Services resource named wwics

An Azure Video Analyzer for Media (previously Video Indexer) resource named wwivi

Requirements -

Business Goals -

Wide World Importers wants to leverage AI technologies to differentiate itself from its competitors.

Planned Changes -

Wide World Importers plans to start the following projects:

A product creation project: Help employees create accessible and multilingual product entries, while expediting product entry creation.

A smart e-commerce project: Implement an Azure Cognitive Search solution to display products for customers to browse.

A shopping on-the-go project: Build a chatbot that can be integrated into smart speakers to support customers.

Business Requirements -

Wide World Importers identifies the following business requirements for all the projects:
Provide a multilingual customer experience that supports English, Spanish, and Portuguese.
Whenever possible, scale based on transaction volumes to ensure consistent performance.
Minimize costs.

Governance and Security Requirements

Wide World Importers identifies the following governance and security requirements:

Data storage and processing must occur in datacenters located in the United States.

Azure Cognitive Services must be inaccessible directly from the internet.

Accessibility Requirements -

Wide World Importers identifies the following accessibility requirements:

All images must have relevant alt text.

All videos must have transcripts that are associated to the video and included in product descriptions.

Product descriptions, transcripts, and alt text must be available in English, Spanish, and Portuguese.

Product Creation Requirements -

Wide World Importers identifies the following requirements for improving the Product Management app:

Minimize how long it takes for employees to create products and add assets.

Remove the need for manual translations.

Smart E-Commerce Requirements -

Wide World Importers identifies the following requirements for the smart e-commerce project:

Ensure that the Cognitive Search solution meets a Service Level Agreement (SLA) of 99.9% availability for searches and index writes.

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

Support autocompletion and suggestion based on all product name variants.

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

Update the stock level field in the product index immediately upon changes.

Update the product index hourly.

Shopping On-the-Go Requirements -

Wide World Importers identifies the following requirements for the shopping on-the-go chatbot:

Answer common questions.

Support interactions in English, Spanish, and Portuguese.

Replace an existing FAQ process so that all Q&A is managed from a central location.

Provide all employees with the ability to edit Q&As. Only senior managers must be able to publish updates.

Support purchases by providing information about relevant products to customers. Product displays must include images and warnings when stock levels are low or out of stock.

Product JSON Sample -

You have the following JSON sample for a product.

```
{
  "sku": "b1",
  "name": {
    "en": "Bicycle",
    "es": "Bicicleta",
    "pt": "Bicicleta"
  },
  "stocklevel": "Out of Stock",
  "description": {
    "en": "Bicycle",
    "es": "Bicicleta",
    "pt": "Bicicleta"
  },
  "image": {
    "uri": "https://upload.worldwideimporters.org/bicycle.jpg",
    "alttext": {
      "en": "Bicycle",
      "es": "Bicicleta",
      "pt": "Bicicleta"
    }
  },
  "createdUtc": "2020-02-14T06:08:39Z",
  "language": "en"
}
```

Question 1

DRAG DROP -

You are developing the smart e-commerce project.

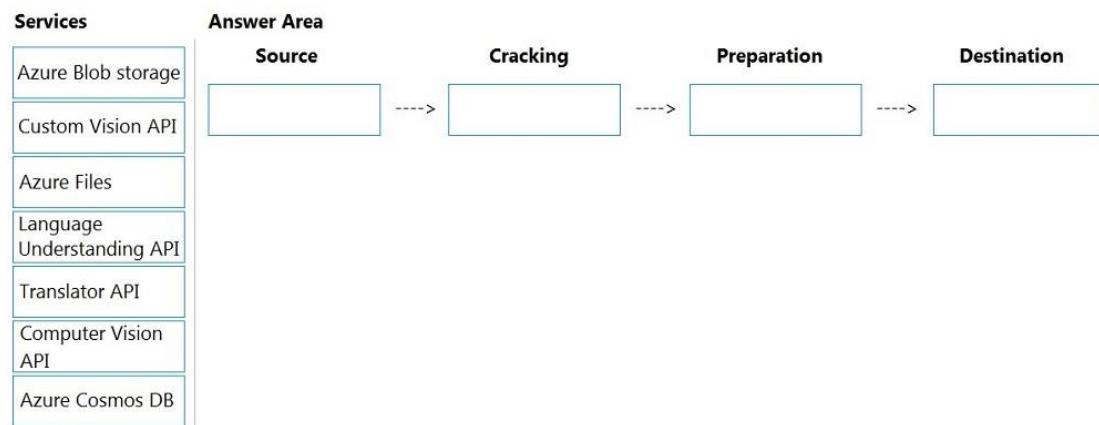
You need to design the skillset to include the contents of PDFs in searches.

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.

Select and Place:



ET User:

Azure Blob Storage

Computer Vision API

Translation API

Azure Blob Storage

 **guruaws2021**  1 year, 8 months ago

The 4th option should be azuore blob as well. There are 3 types of projection for azure search index. Azure storage table for structured projection , Objection projection as json in Blob and finaly file projection i.e image in azure blob
<https://docs.microsoft.com/en-us/azure/search/knowledge-store-projection-overview>

   upvoted 9 times

 **Eltooth**  10 months ago

Blob Storage
Computer Vision API
Translation API
Blob Storage
   upvoted 2 times

 **Ravnit** 1 year, 5 months ago

Was on exam 27/11/2021
   upvoted 1 times

 **SuperPetey** 1 year, 8 months ago

The 4th option should be Cosmos DB because the company 1) already uses Cosmos DB to store their product information 2) the Cosmos Core API stores items as JSON anyway. 3) it makes no sense to store structured JSON data as files in a blob storage -- that data should be persisted in a DB.

reference for Cosmos DB as JSON repository:
<https://docs.microsoft.com/en-us/azure/cosmos-db/sql/sql-query-working-with-json>

   upvoted 2 times

 **SuperPetey** 1 year, 8 months ago

I retract this comment after finding this documentation:

"Knowledge store is a feature of Azure Cognitive Search that persists output from an AI enrichment pipeline into Azure Storage for independent analysis or downstream processing"

<https://docs.microsoft.com/en-us/azure/search/knowledge-store-concept-intro?tabs=kstore-portal>
   upvoted 4 times

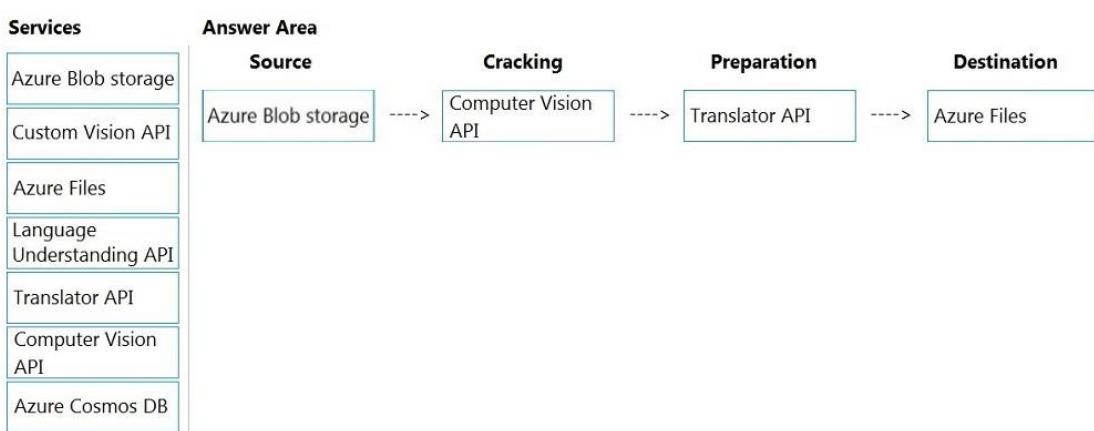
- ✉ khanoomii 1 year, 9 months ago
How do we know that the first box is Blob and the last one Files? why can't it be vice versa?
1 upvoted 2 times
- ✉ PaPaTee 1 year, 9 months ago
Because at the start of the pipeline, you have unstructured text or non-text content (such as images, scanned documents, or JPEG files). Data must exist in an Azure data storage service that can be accessed by an indexer.
1 upvoted 4 times

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

<https://docs.microsoft.com/en-us/azure/cosmos-db/sql/sql-query-working-with-json>

<https://docs.microsoft.com/en-us/azure/search/knowledge-store-concept-intro?tabs=kstore-portal>

ET Answer:



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 alt 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.

Incorrect Answers:

The custom vision API from Microsoft Azure learns to recognize specific content in imagery and becomes smarter with training and time.

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>

Question 2

DRAG DROP -

You are planning the product creation project.

You need to recommend a process for analyzing videos.

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.

Select and Place:

Actions	Answer Area
Index the video by using the Azure Video Analyzer for Media (previously Video Indexer) API.	
Upload the video to blob storage.	
Analyze the video by using the Computer Vision API.	
Extract the transcript from Microsoft Stream.	
Send the transcript to the Language Understanding API as an utterance.	
Extract the transcript from the Azure Video Analyzer for Media (previously Video Indexer) API.	
Translate the transcript by using the Translator API.	
Upload the video to file storage.	

Answer:

Actions	Answer Area
	Upload the video to blob storage.
	Index the video by using the Azure Video Analyzer for Media (previously Video Indexer) API.
Analyze the video by using the Computer Vision API.	Extract the transcript from the Azure Video Analyzer for Media (previously Video Indexer) API.
Extract the transcript from Microsoft Stream.	Translate the transcript by using the Translator API.
Send the transcript to the Language Understanding API as an utterance.	
Upload the video to file storage.	

Scenario: All videos must have transcripts that are associated to the video and included in product descriptions.

Product descriptions, transcripts, and alt text must be available in English, Spanish, and Portuguese.

Step 1: Upload the video to blob storage

Given a video or audio file, the file is first dropped into a Blob Storage. T

Step 2: Index the video by using the Video Indexer API.

When a video is indexed, Video Indexer produces the JSON content that contains details of the specified video insights. The insights include: transcripts, OCRs, faces, topics, blocks, etc.

Step 3: Extract the transcript from the Video Indexer API.

Step 4: Translate the transcript by using the Translator API.

Reference:

<https://azure.microsoft.com/en-us/blog/get-video-insights-in-even-more-languages/>

<https://docs.microsoft.com/en-us/azure/media-services/video-indexer/video-indexer-output-json-v2>

<https://docs.microsoft.com/en-us/azure/azure-video-indexer/video-indexer-overview#what-can-i-do-with-azure-video-indexer>

✉️👤 **ninja** 9 months ago

1. Upload the video to blob storage. - choose blob over file
2. Index the video by using the Video Indexer API. - choose Video Indexer over Computer Vision API.
3. Extract the transcript from the Video Indexer API.
4. Translate the transcript by using the Translator API. - Support requirement "Remove the need for manual translations."

Reference:

<https://docs.microsoft.com/en-us/azure/azure-video-indexer/video-indexer-overview#what-can-i-do-with-azure-video-indexer>

👍👎FLAG upvoted 3 times

✉️👤 **am20** 4 months, 1 week ago

agree as the other options doesn't make sense. however videos are already in storage account

👍👎FLAG upvoted 2 times

Question 3

HOTSPOT -

You need to develop code to upload images for the product creation project. The solution must meet the accessibility requirements.

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

```
public static async Task<string> SuggestAltText(ComputerVisionClient client,
{
    List<VisualFeatureTypes?> features = new List<VisualFeatureTypes?>()
    {
        VisualFeatureTypes.Description
        VisualFeatureTypes.ImageType
        VisualFeatureTypes.Objects
        VisualFeatureTypes.Tags
    };
    ImageAnalysis results = await client.AnalyzeImageAsync(image, features);
    var c = results.Brands.DetectedBrands[0]
    var c = results.Description.Captions[0]
    var c = results.Metadata[0]
    var c = results.Objects[0]

    if(c.Confidence>0.5) return(c.Text);
}
```

Answer:

Answer Area

```
public static async Task<string> SuggestAltText(ComputerVisionClient client,
{
    List<VisualFeatureTypes?> features = new List<VisualFeatureTypes?>()
    {
        VisualFeatureTypes.Description
        VisualFeatureTypes.ImageType
        VisualFeatureTypes.Objects
        VisualFeatureTypes.Tags
    };
    ImageAnalysis results = await client.AnalyzeImageAsync(image, features);
    var c = results.Brands.DetectedBrands[0]
    var c = results.Description.Captions[0]
    var c = results.Metadata[0]
    var c = results.Objects[0]

    if(c.Confidence>0.5) return(c.Text);
}
```

Reference:

<https://github.com/Azure-Samples/cognitive-services-dotnet-sdk-samples/blob/master/documentation-samples/quickstarts/ComputerVision/Program.cs>

✉️  **JTWang** 1 year ago

AnalyzeImageSample
<https://github.com/Azure-Samples/cognitive-services-dotnet-sdk-samples/blob/master/samples/ComputerVision/AnalyzeImage/Program.cs>

   upvoted 2 times

✉️  **Ravnit** 1 year, 5 months ago

Was on exam 27/11/2021
   upvoted 2 times

✉️  **Diem** 1 year, 7 months ago

Correct!
   upvoted 4 times

Question 4

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.

Hot Area:

Answer Area

api.cognitive.microsofttranslator.com	?api-version=3.0&to=es&to=pt
api-nam.cognitive.microsofttranslator.com	
westus.tts.speech.microsoft.com	
wwics.cognitiveservices.azure.com/translator	

ET User:

Box 1: api-nam.cognitive.microsofttranslator.com

Box 2: /translate

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

✉ SuperPete Highly Voted 1 year, 8 months ago

first drop-down should instead be: api-nam.cognitive.microsofttranslator.com this is because the case study specifically states under Business Requirements "Data storage and processing must occur in datacenters located in the United States."

see reference documentation for base urls per geo region:

<https://docs.microsoft.com/en-us/azure/cognitive-services/translator/reference/v3-0-reference>
1 like, 1 comment, upvoted 38 times

✉ ninja 9 months ago

Agreed
1 like, 1 comment, upvoted 1 times

✉ Eltooth Most Recent 10 months ago

api-nam
translate
1 like, 1 comment, upvoted 3 times

✉ Ravnit 1 year, 5 months ago

Was on exam 27/11/2021
1 like, 1 comment, upvoted 3 times

✉ gs23mi 1 year, 7 months ago

in the "existing environment" there is
An Azure Cognitive Services resource named wwics
so it should be "resource name".cognitiveservices.azure.com : wwics.cognitiveservices.azure.com/translator/
Ref. <https://docs.microsoft.com/en-us/azure/cognitive-services/translator/reference/v3-0-reference>
1 like, 1 comment, upvoted 4 times

✉ vominhtri854 1 year, 7 months ago

but this for Customers with a resource located in Switzerland North or Switzerland West
1 like, 1 comment, upvoted 1 times

ET Answer:

Answer Area

api.cognitive.microsofttranslator.com	?api-version=3.0&to=es&to=pt
api-nam.cognitive.microsofttranslator.com	
westus.tts.speech.microsoft.com	
wwics.cognitiveservices.azure.com/translator	

Box 1: api.cognitive.microsofttranslator.com

Translator 3.0: Translate. Send a POST request to:

<https://api.cognitive.microsofttranslator.com/translate?api-version=3.0>

Box 2: /translate -

Reference:

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

Question 5

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.

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: ABF

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.

F. Use the default standard Lucene analyzer ("analyzer": null) or a language analyzer (for example, "analyzer": "en.Microsoft") on the field.

Reference:

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

<https://docs.microsoft.com/en-us/azure/search/search-add-autocomplete-suggestions>

✉️  **reachmymind**  1 year, 2 months ago

A , B , F

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

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

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

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

<https://docs.microsoft.com/en-us/azure/search/search-add-autocomplete-suggestions>

   upvoted 6 times

✉️  **KingChuang**  4 months ago

on my exam. (2023-01-16 passed)

My Answer:ABF

   upvoted 2 times

✉️  **Eltooth** 10 months ago

Selected Answer: ABF

A, B and F are correct answers.

   upvoted 1 times

✉️  **Ravnit** 1 year, 5 months ago

Was on exam 27/11/2021

   upvoted 2 times

Question 6

HOTSPOT -

You are developing the shopping on-the-go project.

You need to build the Adaptive Card for the chatbot.

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

NOTE: Each correct selection is worth one point.

Hot Area:

```
{  
  "$schema": "http://adaptivecards.io.schemas/adaptive-card.json",  
  "type": "AdaptiveCard",  
  "version": "1.3",  
  "body": [  
    {  
      "type": "TextBlock",  
      "size": "Medium",  
      "weight": "Bolder",  
      "text": "${  
        if(language == 'en', 'en', name)  
        name  
        name.en  
        name[language]  
      }"  
    },  
    {  
      "type": "TextBlock",  
      "when": "${stockLevel != 'OK' }"  
      "when": "${stockLevel == 'OK' }"  
      "when": "${stockLevel.OK}"  
      "text": "${stockLevel}",  
      "color": "Attention"  
    },  
    {  
      "type": "Image",  
      "url": "${image.uri}",  
      "size": "Medium",  
      "altText": "${  
        image.altText.en  
        image.altText.language  
        image.altText.[\"language\"]  
        image.altText.[language]  
      }"  
    }  
  ]  
}
```

Answer: 有争议

```
{
  "$schema": "http://adaptivecards.io.schemas/adaptive-card.json",
  "type": "AdaptiveCard",
  "version": "1.3",
  "body": [
    {
      "type": "TextBlock",
      "size": "Medium",
      "weight": "Bolder",
      "text": "${if(language == 'en', 'en', name)}  
name  
name.en  
name[language]
    },
    {
      "type": "TextBlock",
      "text": "${when:${stockLevel != 'OK'}}"  
"${when:${stockLevel == 'OK'}}"  
"${when:${stockLevel.OK}}"
      "color": "Attention"
    },
    {
      "type": "Image",
      "url": "${image.uri}",
      "size": "Medium",
      "altText": "${image.altText.en}  
image.altText.language  
image.altText.[language]  
image.altText.[language]
    }
  ]
}
```

Box 1: name [language]

Chatbot must support interactions in English, Spanish, and Portuguese.

Box 2: "\${when:\${stockLevel != 'OK'}}"

Product displays must include images and warnings when stock levels are low or out of stock.

Box 3: image.altText[language]

✉️  **KingChuang**  4 months ago

on my exam. (2023-01-16 passed)

My Answer:

1. name[language]
2. != OK
3. image.altText.[language]

   upvoted 5 times

✉️  **AzureJobsTillRetire**  2 months, 2 weeks ago

The correct answers are those that are given in answers to question 3.

The correct answer pairs for box1 and box3 could be-

- 1) name.en and image.altText.en
- 2) name["language"] and image.altText["language"]

Since name["language"] does not exist as an option in box1, we will have to choose the first pair as the correct answer.

https://www.w3schools.com/js/js_json_syntax.asp

   upvoted 1 times

✉️  **AzureJobsTillRetire** 2 months, 2 weeks ago

Looking at the given JSON sample for a product again, I actually cannot find either the data for name["language"]/name.language or image.altText["language"]/image.altText.language.

   upvoted 1 times

✉️  **AzureJobsTillRetire** 2 months, 2 weeks ago

Since name["language"]/name.language and image.altText["language"]/image.altText.language do not exist, we will have to choose the first pair as the answers

   upvoted 1 times

✉️  **halfway** 5 months, 1 week ago

My last comment was wrong. There is no correct answer for the last question. The correct answers should be:

1. name[language]
2. "\$when": "\${stockLevel} != 'OK'"
3. image.altText[language]

   upvoted 1 times

✉️  **halfway** 5 months, 1 week ago

1. name[language]
2. "\$when": "\${stockLevel} != 'OK'"
3. image.altText.language

   upvoted 1 times

✉️  **AdarshKumarKhare** 5 months, 2 weeks ago

Repeat Question. Answers are different. I don't know which one is correct

   upvoted 1 times

https://www.w3schools.com/js/js_json_syntax.asp

Question 7

HOTSPOT -

You are developing the shopping on-the-go project.

You are configuring access to the QnA Maker (classic) resources.

Which role should you assign to AllUsers and LeadershipTeam? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

AllUsers:

Cognitive Service User
Contributor
Owner
QnA Maker Editor
QnA Maker Read

LeadershipTeam:

Cognitive Service User
Contributor
Owner
QnA Maker Editor
QnA Maker Read

ET User:

1. QnA Maker Editor
2. Cognitive Service User, 有争议, 有人认为是 Contributor

<https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/concepts/role-based-access-control#access-is-provided-by-a-defined-role>

  SuperPeteY  1 year, 8 months ago

The Owner role would give the leadership team the ability to publish changes, but also the additional capability to give others access to QnA maker, which they do not require. security best practices (in case of a compromised account etc) dictate the principles of least privilege; leadership team should only be given access to the capabilities they require to do their job and nothing more.

Since the problem only mentions publishing, the leadership team requires the role contributor. In other RBAC exam questions for other certs MSFT remembers to preface such a question with "bearing in mind the principle of least privilege..." but they neglected that hint here.

 upvoted 15 times

- ✉ g2000 **Highly Voted** 12 months ago
How about Cognitive Service User? the link explicitly says publish is given to this role.
<https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/concepts/role-based-access-control#access-is-provided-by-a-defined-role>
🕒 upvoted 9 times
- ✉ firewind 7 months, 3 weeks ago
Agreed, from a least privilege principle perspective, it should be Cognitive Service User.
🕒 upvoted 1 times
- ✉ AusAv 10 months, 1 week ago
I agree it is: Cognitive Service Userm Contributor can also create new resources
🕒 upvoted 1 times
- ✉ KingChuang **Most Recent** 4 months ago
on my exam. (2023-01-16 passed)
My Answer:
1. QnA Maker Editor
2. Cognitive Service User
🕒 upvoted 4 times
- ✉ ninja 9 months ago
To address the requirement: Provide all employees with the ability to edit Q&As. Only senior managers must be able to publish updates.
AllUsers: QnA Maker Editor (read/write)
Leadership Team: Cognitive Service User (read/write/publish)
Cognitive Service User has less permissions than Contributor.
🕒 upvoted 6 times
- ✉ ninja 9 months ago
Reference: <https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/concepts/role-based-access-control#access-is-provided-by-a-defined-role>
🕒 upvoted 1 times
- ✉ Eltooth 10 months ago
AllUsers: QnA Maker Editor
LeadershipTeam: Contributor
🕒 upvoted 1 times
- ✉ Ravnit 1 year, 5 months ago
Was on exam 27/11/2021
🕒 upvoted 2 times
- ✉ rikku33 1 year, 7 months ago
from case study: Provide all employees with the ability to edit Q&As. Only senior managers must be able to publish updates, so the given answer is correct
🕒 upvoted 2 times
- ✉ aakash_0086 1 year, 10 months ago
Shouldn't Leadership team have owner rights which has right to publish the updates ?
🕒 upvoted 3 times
- ✉ aakash_0086 1 year, 10 months ago
Shouldn't Leadership eam have owner rights which has right to publish the updates ?
🕒 upvoted 2 times

ET Answer:

Answer Area

AllUsers:	<table border="1"> <tr><td>Cognitive Service User</td></tr> <tr><td>Contributor</td></tr> <tr><td>Owner</td></tr> <tr style="background-color: #90EE90;"><td>QnA Maker Editor</td></tr> <tr><td>QnA Maker Read</td></tr> </table>	Cognitive Service User	Contributor	Owner	QnA Maker Editor	QnA Maker Read
Cognitive Service User						
Contributor						
Owner						
QnA Maker Editor						
QnA Maker Read						
LeadershipTeam:	<table border="1"> <tr><td>Cognitive Service User</td></tr> <tr style="background-color: #90EE90;"><td>Contributor</td></tr> <tr><td>Owner</td></tr> <tr><td>QnA Maker Editor</td></tr> <tr><td>QnA Maker Read</td></tr> </table>	Cognitive Service User	Contributor	Owner	QnA Maker Editor	QnA Maker Read
Cognitive Service User						
Contributor						
Owner						
QnA Maker Editor						
QnA Maker Read						

Box 1: QnA Maker Editor -

Scenario: Provide all employees with the ability to edit Q&As.

The QnA Maker Editor (read/write) has the following permissions:

- ⇒ Create KB API
- ⇒ Update KB API
- ⇒ Replace KB API
- ⇒ Replace Alterations
- ⇒ "Train API" [in new service model v5]

Box 2: Contributor -

Scenario: Only senior managers must be able to publish updates.

Contributor permission: All except ability to add new members to roles

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/reference-role-based-access-control>

Question 8

HOTSPOT -

You are developing the shopping on-the-go project.

You need to build the Adaptive Card for the chatbot.

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

```
version": "1.3",
"body": [
  {
    "type": "TextBlock",
    "size": "Medium",
    "weight": "Bolder",
    "text": "${if(language == 'en', 'en', name)}  
name  
name.en  
name[language]
  },
  {
    "type": "TextBlock",
    "$when": "${stockLevel != 'OK'}"  
"$when": "${stockLevel == 'OK'}"  
"$when": "${stockLevel.OK}"
  },
  color : Attention
},
{
  "type": "Image",
  "url": "${image.uri}",
  "size": "Medium",
  "alText": "${image.altText.en}  
image.altText.language  
image.altText["language"]  
image.altText[language]
}
```

Answer: 与 Q6 重复，两次给出的答案不一致，ET User 也有争议。

Answer Area

```
version": "1.3",
"body": [
  {

    "type": "TextBlock",
    "size": "Medium",
    "weight": "Bolder",
    "text": "${if(language == 'en', 'en', name)}  
name  
name.en  
name[language]"}]

  },
  {
    "type": "TextBlock",
    "$when": "${stockLevel != 'OK'}"  
"$when": "${stockLevel == 'OK'}"  
"$when": "${stockLevel.OK}"}

    color : Attention
  },
  {
    "type": "Image",
    "url": "${image.uri}",
    "size": "Medium",
    "altText": "${image.altText.en}  
image.altText.language  
image.altText["language"]  
image.altText[language]}"]

  ]
}
```

Box 1: name.en -

Box 2: "\$when": "\${stockLevel != 'OK'}"

Product displays must include images and warnings when stock levels are low or out of stock.

Box 3:image.altText.en

- ✉ **halfway** 5 months, 1 week ago
1. name[language] 2. "\$when": "\${stockLevel} != 'OK'" 3. image.altText[language]
 upvoted 5 times
- ✉ **AzureJobsTillRetire** 2 months, 2 weeks ago
The given answers are correct.
- The correct answer pairs for box1 and box3 could be:
name.en and image.altText.en
name["language"] and image.altText["language"]
- since name["language"] does not exist as an option in box3, we will have to choose the first pair as the correct answer.
- https://www.w3schools.com/js/js_json_syntax.asp
- upvoted 2 times
- ✉ **Canyu** 5 months, 3 weeks ago
This is a repeat question, but this time the answer does not give an explanation or reference document. Is this answer correct?
 upvoted 2 times
- ✉ **ParkXD** 9 months, 3 weeks ago
it seems a repeat question, but with a slight different option. The earlier one with altText.[language], but this altText[language] without . which one is right?
 upvoted 3 times
- ✉ **sdokmak** 11 months ago
If there was an option for name.[language] instead of name[language] then I'd use that for more than one language option, otherwise we can't. For name[language], language would have to be an integer but it's a string, wouldn't work.
But.. for name.[language], that works.
<https://stackoverflow.com/questions/882727/is-there-a-way-to-use-variable-keys-in-a-javascript-object-literal>
 upvoted 1 times
- ✉ **RamonKaus** 9 months, 4 weeks ago
This is a repeat of an earlier question but they changed the answer? Weird.
 upvoted 5 times

Case Study 2 - Contoso, Ltd

Overview -

General Overview -

Contoso, Ltd. is an international accounting company that has offices in France, Portugal, and the United Kingdom.

Contoso has a professional services department that contains the roles shown in the following table.

Name	Position	Office
Accountant	Manager	United Kingdom, France, Portugal
Accountant	Consultant	United Kingdom, France, Portugal
Customer Service	Manager	United Kingdom
Customer Service	Agent	United Kingdom
Bookkeeper	Manager	United Kingdom, France, Portugal
Bookkeeper	Consultant	United Kingdom, France, Portugal

Existing environment -

Infrastructure -

Contoso has the following subscriptions:

Azure

Microsoft 365

Microsoft Dynamics 365

Azure Active (Azure AD) Directory

Contoso has Azure Active Directory groups for securing role-based access. The company uses the following group naming conventions:

[Country]-[Level]-[Role]

[Level]-[Role]

Intellectual Property -

Contoso has the intellectual property shown in the following table.

Content	Format	Language	Content store	Domain
Weekly webinars	Video	English	Azure Blob storage	Vid.contoso.com
Blogs	Text	English, French, Portuguese	WordPress	Pt-blog.contoso.com Blog.contoso.com Fr-blog.contoso.com
Wikis	Text	English, French, Portuguese	Azure Cosmos DB	Internal.contoso.com/wiki
Monthly conference recordings	Video	English	SharePoint Online	Contoso.sharepoint.com
Frequently asked questions (FAQs)	Text	English	SharePoint Online	Contoso.sharepoint.com

Text-based content is provided only in one language and is not translated.

Requirements -

Planned Projects -

Contoso plans to develop the following:

A document processing workflow to extract information automatically from PDFs and images of financial documents

A customer-support chatbot that will answer questions by using FAQs

A searchable knowledgebase of all the intellectual property

Technical Requirements -

Contoso identifies the following technical requirements:

All content must be approved before being published.

All planned projects must support English, French, and Portuguese.

All content must be secured by using role-based access control (RBAC).

RBAC role assignments must use the principle of least privilege.

RBAC roles must be assigned only to Azure Active Directory groups.

AI solution responses must have a confidence score that is equal to or greater than 70 percent.

When the response confidence score of an AI response is lower than 70 percent, the response must be improved by human input.

Chatbot Requirements -

Contoso identifies the following requirements for the chatbot:

Provide customers with answers to the FAQs.

Ensure that the customers can chat to a customer service agent.

Ensure that the members of a group named Management-Accountants can approve the FAQs.

Ensure that the members of a group named Consultant-Accountants can create and amend the FAQs.

Ensure that the members of a group named the Agent-CustomerServices can browse the FAQs.

Ensure that access to the customer service agents is managed by using Omnichannel for Customer Service.

When the response confidence score is low, ensure that the chatbot can provide other response options to the customers.

Document Processing Requirements

Contoso identifies the following requirements for document processing:

The document processing solution must be able to process standardized financial documents that have the following characteristics:

- Contain fewer than 20 pages.
- Be formatted as PDF or JPEG files.
- Have a distinct standard for each office.

The document processing solution must be able to extract tables and text from the financial documents.

The document processing solution must be able to extract information from receipt images. Members of a group named Management-Bookkeeper must define how to extract tables from the financial documents.

Members of a group named Consultant-Bookkeeper must be able to process the financial documents.

Knowledgebase Requirements -

Contoso identifies the following requirements for the knowledgebase:

Supports searches for equivalent terms

Can transcribe jargon with high accuracy

Can search content in different formats, including video

Provides relevant links to external resources for further research

Question 1

You are developing the chatbot.

You create the following components:

- ☞ A QnA Maker resource
- ☞ A chatbot by using the Azure Bot Framework SDK

You need to integrate the components to meet the chatbot requirements.

Which property should you use?

- A. QnAMakerOptions.StrictFilters
- B. QnADialogResponseOptions.CardNoMatchText
- C. QnAMakerOptions.RankerType
- D. QnAMakerOptions.ScoreThreshold

ET User: D

<https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/concepts/confidence-score#set-threshold>

<https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/concepts/best-practices>

<https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&cad=rja&uact=8&ved=2ahUKEwita3-tZD5AhXpGFkFHWGzAMAQFnoECAoQAw&url=https%3A%2F>

<https://docs.microsoft.com/en-us/dotnet/api/microsoft.bot.builder.ai.qna.qnamakeroptions.scorethreshold?view=botbuilder-dotnet-stable>

✉ ManAtWorkAtNight Highly Voted 1 year ago

Answer should be D. QnAMakerOptions.ScoreThreshold

Technical Requirements says "AI solution responses must have a confidence score that is equal to or greater than 70 percent" and "When the response confidence score is low, ensure that the chatbot can provide other response options to the customers"

<https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/concepts/confidence-score#set-threshold>

upvoted 10 times

✉ SSJA Most Recent 5 months ago

Selected Answer:

Correct answer is D

upvoted 1 times

✉ Eltooth 9 months, 4 weeks ago

Selected Answer:

I'm going for answer D based on

<https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/concepts/best-practices>

upvoted 1 times

✉ RamonKaus 9 months, 4 weeks ago

Selected Answer:

<https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&cad=rja&uact=8&ved=2ahUKEwita3-tZD5AhXpGFkFHWGzAMAQFnoECAoQAw&url=https%3A%2F>

Choosing Ranker type

" By default, QnA Maker searches through questions and answers. If you want to search through questions only, to generate an answer, use the RankerType=QuestionOnly in the POST body of the GenerateAnswer request."

from

<https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/concepts/best-practices?usg=AQVaw3agfuSigl7RLnYFlhA-vb3>

I think it is D because "Gets or sets the minimum score threshold, used to filter returned results."

ET Answer: C

Scenario: When the response confidence score is low, ensure that the chatbot can provide other response options to the customers.

When no good match is found by the ranker, the confidence score of 0.0 or "None" is returned and the default response is "No good match found in the KB". You can override this default response in the bot or application code calling the endpoint. Alternately, you can also set the override response in Azure and this changes the default for all knowledge bases deployed in a particular QnA Maker service.

Choosing Ranker type: By default, QnA Maker searches through questions and answers. If you want to search through questions only, to generate an answer, use the RankerType=QuestionOnly in the POST body of the GenerateAnswer request.

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/concepts/best-practices>

Question 2

You are developing the chatbot.

You create the following components:

- ☞ A QnA Maker resource
- ☞ A chatbot by using the Azure Bot Framework SDK

You need to add an additional component to meet the technical requirements and the chatbot requirements.

What should you add?

- A. Microsoft Translator
- B. Language Understanding
- C. Orchestrator
- D. chatdown

ET User: A

<https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/overview/language-support#supporting-multiple-languages-in-one-knowledge-base>
<https://learn.microsoft.com/en-us/composer/concept-orchestrator?source=recommendations>

✉ Eltooth **Highly Voted** 9 months, 4 weeks ago

Selected Answer: A

A is correct answer.

"If you need to support a knowledge base system, which includes several languages, you can:

1) Use the Translator service to translate a question into a single language before sending the question to your knowledge base. This allows you to focus on the quality of a single language and the quality of the alternate questions and answers.

2) Create a QnA Maker resource, and a knowledge base inside that resource, for every language. This allows you to manage separate alternate questions and answer text that is more nuanced for each language. This gives you much more flexibility but requires a much higher maintenance cost when the questions or answers change across all languages."

<https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/overview/language-support#supporting-multiple-languages-in-one-knowledge-base>
↑ ↓ ⌂ upvoted 6 times

✉ AzureJobsTillRetire 2 months, 2 weeks ago

Scenario: Text-based content is provided only in one language and is not translated.

Hence, translator may not be required

↑ ↓ ⌂ upvoted 1 times

✉ halfway **Most Recent** 5 months, 2 weeks ago

Selected Answer: A

Use translator service to support multiple languages

↑ ↓ ⌂ upvoted 2 times

✉ not_a_robot 9 months, 2 weeks ago

Selected Answer: C

QnA Maker resource can meet multi-language requirement. There is no point to add another translator. Orchestrator can provide multi-intent detection, which meets the chatbot requirements.

↑ ↓ ⌂ upvoted 3 times

✉ AzureJobsTillRetire 2 months, 3 weeks ago

Orchestrator provides a multi-lingual model alongside English which provides the ability for a model trained with, for example English-only, data to process utterances in other languages.

<https://learn.microsoft.com/en-us/composer/concept-orchestrator?source=recommendations>

↑ ↓ ⌂ upvoted 1 times

✉ RamonKaus 9 months, 4 weeks ago

I feel like this answer is fair.
Like Share Flag upvoted 1 times

✉ g2000 12 months ago

Selected Answer: A

There are six sources of IP. Qna supports multiple sources of urls. With that being said, there's no need to have one Qna for one source. Also one technical requirement is to support multiple languages. This is certainly feasible with the translation.
Like Share Flag upvoted 3 times

ET Answer: C

Scenario: All planned projects must support English, French, and Portuguese.

If a bot uses multiple LUIS models and QnA Maker knowledge bases (knowledge bases), you can use the Dispatch tool to determine which LUIS model or QnA Maker knowledge base best matches the user input. The dispatch tool does this by creating a single LUIS app to route user input to the correct model.

Reference:

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

Question 3

HOTSPOT -

You build a QnA Maker resource to meet the chatbot requirements.

Which RBAC role should you assign to each group? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Management-Accountants

Owner
Contributor
Cognitive Services User
Cognitive Services QnA Maker Read
Cognitive Services QnA Maker Editor

Consultant-Accountants

Owner
Contributor
Cognitive Services User
Cognitive Services QnA Maker Read
Cognitive Services QnA Maker Editor

Agent-CustomerServices

Owner
Contributor
Cognitive Services User
Cognitive Services QnA Maker Read
Cognitive Services QnA Maker Editor

Answer:

Answer Area

Management-Accountants	Owner Contributor Cognitive Services User Cognitive Services QnA Maker Read Cognitive Services QnA Maker Editor
Consultant-Accountants	Owner Contributor Cognitive Services User Cognitive Services QnA Maker Read Cognitive Services QnA Maker Editor
Agent-CustomerServices	Owner Contributor Cognitive Services User Cognitive Services QnA Maker Read Cognitive Services QnA Maker Editor

Box 1: Cognitive Service User -

Ensure that the members of a group named Management-Accountants can approve the FAQs.

Approve=publish.

Cognitive Service User (read/write/publish): API permissions: All access to Cognitive Services resource except for ability to:

1. Add new members to roles.
2. Create new resources.

Box 2: Cognitive Services QnA Maker Editor

Ensure that the members of a group named Consultant-Accountants can create and amend the FAQs.

QnA Maker Editor: API permissions:

1. Create KB API
2. Update KB API
3. Replace KB API
4. Replace Alterations
5. "Train API" [in new service model v5]

Box 3: Cognitive Services QnA Maker Read

Ensure that the members of a group named the Agent-CustomerServices can browse the FAQs.

QnA Maker Read: API Permissions:

1. Download KB API
2. List KBs for user API
3. Get Knowledge base details

4. Download Alterations

Generate Answer -

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/concepts/role-based-access-control>

✉️  **ninjia** 9 months ago

The answer is correct, based on

<https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/concepts/role-based-access-control>

   upvoted 2 times

Question 4

DRAG DROP -

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.

Select and Place:

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

Answer:

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

Step 1: Create a new project and load sample documents

Create a new project. Projects store your configurations and settings.

Step 2: Label the sample documents

When you create or open a project, the main tag editor window opens.

Step 3: Train a custom model.

Finally, train a custom model.

Reference:

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

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

Question 5

You are developing the knowledgebase.

You use Azure Video Analyzer for Media (previously Video indexer) to obtain transcripts of webinars.

You need to ensure that the solution meets the knowledgebase requirements.

What should you do?

- A. Create a custom language model
- B. Configure audio indexing for videos only
- C. Enable multi-language detection for videos
- D. Build a custom Person model for webinar presenters

ET User: A

<https://azure.microsoft.com/en-us/blog/new-ways-to-train-custom-language-models-effortlessly/>

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

✉ **mk1967** 8 months, 1 week ago

Selected Answer: A

The requirement "Can transcribe jargon with high accuracy" wouldn't be met with the answer B.

Like Share Flag upvoted 2 times

✉ **AjoseO** 9 months, 2 weeks ago

Selected Answer: A

--- Can transcribe jargon with high accuracy

Video Indexer (VI), the AI service for Azure Media Services enables the customization of language models by allowing customers to upload examples of sentences or words belonging to the vocabulary of their specific use case. Since speech recognition can sometimes be tricky, VI enables you to train and adapt the models for your specific domain. Harnessing this capability allows organizations to improve the accuracy of the Video Indexer generated transcriptions in their accounts.

<https://azure.microsoft.com/en-us/blog/new-ways-to-train-custom-language-models-effortlessly/>

Like Share Flag upvoted 2 times

✉ **Eltooth** 9 months, 3 weeks ago

Selected Answer: A

Leaning towards A on this.

<https://azure.microsoft.com/en-us/blog/new-ways-to-train-custom-language-models-effortlessly/>
<https://docs.microsoft.com/en-us/azure/azure-video-indexer/video-indexer-overview>

Like Share Flag upvoted 1 times

✉ **AiEngineerS** 10 months, 1 week ago

I think this is B... because even A makes sense... but u have to extract this information from video somehow. So B

Like Share Flag upvoted 1 times

✉ **ANIKI51419** 11 months, 1 week ago

should be A

Like Share Flag upvoted 2 times

✉ **sdokmak** 11 months ago

I think you're right

<https://azure.microsoft.com/en-us/blog/new-ways-to-train-custom-language-models-effortlessly/>

Like Share Flag upvoted 1 times

ET Answer: B

Can search content in different formats, including video

Audio and video insights (multi-channels). When indexing by one channel, partial result for those models will be available.

Keywords extraction: Extracts keywords from speech and visual text.

Named entities extraction: Extracts brands, locations, and people from speech and visual text via natural language processing (NLP).

Topic inference: Makes inference of main topics from transcripts. The 2nd-level IPTC taxonomy is included.

Artifacts: Extracts rich set of "next level of details" artifacts for each of the models.

Sentiment analysis: Identifies positive, negative, and neutral sentiments from speech and visual text.

Incorrect Answers:

C: Webinars Videos are in English.

Reference:

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

Question 6

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 Form 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

ET User: B

 **AusAv**  10 months ago

Selected Answer: B

Answer is B as I just did the exam and got 100% for the section :)

   upvoted 17 times

 **crunkiNhere**  2 weeks ago

Selected Answer: B

I can't imagine a world where the answer could be anything but B

   upvoted 1 times

 **Eltooth** 10 months ago

Selected Answer: B

B is correct answer.

   upvoted 2 times

 **AiEngineerS** 10 months ago

Selected Answer: B

I think is B.. is that?

   upvoted 2 times

 **ANIKI51419** 11 months, 1 week ago

should be B

   upvoted 3 times

ET Answer: D

Need to specify the field name, and then use < 0.7 to handle trigger if confidence score is less than 70%.

Scenario:

- ☞ AI solution responses must have a confidence score that is equal to or greater than 70 percent.
- ☞ When the response confidence score of an AI response is lower than 70 percent the response must be improved by human input.

Reference:

<https://docs.microsoft.com/en-us/azure/applied-ai-services/form-recognizer/api-v2-0/reference-sdk-api-v2-0>

Question 7

You are developing the document processing workflow.

You need to identify which API endpoints to use to extract text from the financial documents. The solution must meet the document processing requirements.

Which two API endpoints should you identify? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. /vision/v3.1/read/analyzeResults
- B. /formrecognizer/v2.0/custom/models/{modelId}/analyze
- C. /formrecognizer/v2.0/prebuilt/receipt/analyze
- D. /vision/v3.1/describe
- E. /vision/v3.1/read/analyze

ET User: Maybe BE

B (47%)

BE (27%)

CE (27%)

Moody.L Highly Voted 11 months, 2 weeks ago

Selected Answer: B

Contoso have a distinct standard for each office. Is the customized form recognizer more appropriate?

upvoted 7 times

sdkmak 11 months ago

Agreed, also the receipt text extraction is separate to the financial documents, question is only about the financial documents.
"The document processing solution must be able to extract tables and text from the financial documents.

The document processing solution must be able to extract information from receipt images."

upvoted 2 times

rupert1o1N Highly Voted 9 months, 3 weeks ago

guys so what is the correct answer

upvoted 6 times

Pyguy Most Recent 3 months, 4 weeks ago

Selected Answer: BE

B is sure and E is because :

The /vision/v3.1/read/analyze endpoint can be used to extract information from tables in images. The endpoint uses optical character recognition (OCR) technology to extract text from images. The extracted text includes information from tables, and the location of the text in the image can be used to identify where the text came from in the table.

upvoted 1 times

ap1234pa 4 months ago

Selected Answer: BE

BE seems correct

upvoted 1 times

halfway 5 months, 1 week ago

Selected Answer: BE

B. Each office has distinct standard for their financial document

E. computer vision api to analyze images

upvoted 2 times

not_a_robot 9 months, 2 weeks ago

Selected Answer: CE

I think the answers are correct.

upvoted 4 times

ET Answer: CE

C: Analyze Receipt - Get Analyze Receipt Result.

Query the status and retrieve the result of an Analyze Receipt operation.

Request URL:

<https://{{endpoint}}/formrecognizer/v2.0-preview/prebuilt/receipt/analyzeResults/{{resultId}}>

E: POST {Endpoint}/vision/v3.1/read/analyze

Use this interface to get the result of a Read operation, employing the state-of-the-art Optical Character Recognition (OCR) algorithms optimized for text-heavy documents.

Scenario: Contoso plans to develop a document processing workflow to extract information automatically from PDFs and images of financial documents

- ⇒ The document processing solution must be able to process standardized financial documents that have the following characteristics:
 - Contain fewer than 20 pages.
 - Be formatted as PDF or JPEG files.
 - Have a distinct standard for each office.
- ⇒ *The document processing solution must be able to extract tables and text from the financial documents.

The document processing solution must be able to extract information from receipt images.

Reference:

<https://westus2.dev.cognitive.microsoft.com/docs/services/form-recognizer-api-v2-preview/operations/GetAnalyzeReceiptResult>

<https://docs.microsoft.com/en-us/rest/api/computervision/3.1/read/read>

Question 8

HOTSPOT -

You are developing the knowledgebase by using Azure Cognitive Search.

You need to build a skill that will be used by indexers.

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

```
{  
  
    "@odata.type": "#Microsoft.Skills.Text.EntityRecognitionSkill",  
    ▼  
    "categories": [],  
    "categories": [ "Email", "Persons", "Organizations"],  
    "categories": [ "Locations", "Persons", "Organizations"],  
    ▼  
    "defaultLanguageCode": "en",  
    "includeTypelessEntities": true,  
    "minimumPrecision": 0.7,  
    "inputs": [  
        { "name": "text",  
          "source": "/document/content"}  
    ],  
    "outputs": [  
        { "name": "persons", "targetName": "people"},  
        { "name": "locations", "targetName": "locations"},  
        { "name": "organizations", "targetName": "organizations"},  
        ▼  
        {"name": "entities"}  
        {"name": "categories"}  
        {"name": "namedEntities"}  
    ]  
}
```

Answer:

Answer Area

```
{  
    "@odata.type": "#Microsoft.Skills.Text.EntityRecognitionSkill",  
    "categories": [],  
    "categories": [ "Email", "Persons", "Organizations"],  
    "categories": [ "Locations", "Persons", "Organizations"],  
  
    "defaultLanguageCode": "en",  
    "includeTypelessEntities": true,  
    "minimumPrecision": 0.7,  
    "inputs": [  
        { "name": "text",  
            "source": "/document/content"}  
    ],  
    "outputs": [  
        { "name": "persons", "targetName": "people"},  
        { "name": "locations", "targetName": "locations"},  
        { "name": "organizations", "targetName": "organizations"},  
  
        {"name": "entities"}  
        {"name": "categories"}  
        {"name": "namedEntities"}  
    ]  
}
```

Box 1: "categories": ["Locations", "Persons", "Organizations"].

Locations, Persons, Organizations are in the outputs.

Scenario: Contoso plans to develop a searchable knowledgebase of all the intellectual property

Note: The categories parameter is an array of categories that should be extracted. Possible category types: "Person", "Location", "Organization", "Quantity", "Datetime", "URL", "Email". If no category is provided, all types are returned.

Box 2: {"name": "entities"}

The include wikis, so should include entities in the outputs.

Note: entities is an array of complex types that contains rich information about the entities extracted from text, with the following fields name (the actual entity name. This represents a "normalized" form) wikipediaId wikipediaLanguage wikipediaUrl (a link to Wikipedia page for the entity) etc.

<https://docs.microsoft.com/en-us/azure/search/cognitive-search-skill-entity-recognition>

✉ Eltooth 9 months, 4 weeks ago

Answer is correct however... the Entity Recognition skill is now discontinued replaced by Microsoft.Skills.Text.V3.EntityRecognitionSkill.

Also categories will only allow "Person" as valid category type - not "Persons".

This (old) version allows output to be either "entities" or "namedEntities"
New version only allows "namedEntities" from answer list.

<https://docs.microsoft.com/en-us/azure/search/cognitive-search-skill-entity-reco>

Like 1 Upvote 3 times

✉ RamonKaus 9 months, 4 weeks ago

Agreed

Like 1 Upvote 1 times

Question 9

You are developing the knowledgebase by using Azure Cognitive Search.

You need to process wiki content to meet the technical requirements.

What should you include in the solution?

- A. an indexer for Azure Blob storage attached to a skillset that contains the language detection skill and the text translation skill
- B. an indexer for Azure Blob storage attached to a skillset that contains the language detection skill
- C. an indexer for Azure Cosmos DB attached to a skillset that contains the document extraction skill and the text translation skill
- D. an indexer for Azure Cosmos DB attached to a skillset that contains the language detection skill and the text translation skill

Answer: C, 有争议

The wiki contains text in English, French and Portuguese.

Scenario: All planned projects must support English, French, and Portuguese.

The Document Extraction skill extracts content from a file within the enrichment pipeline.

This allows you to take advantage of the document extraction step that normally happens before the skillset execution with files that may be generated by other skills.

Note: The Translator Text API will be used to determine the from language. The Language detection skill is not required.

Incorrect Answers:

Not A, not B: The wiki is stored in Azure Cosmos DB.

Reference:

<https://docs.microsoft.com/en-us/azure/search/cognitive-search-skill-document-extraction>

<https://docs.microsoft.com/en-us/azure/search/cognitive-search-skill-text-translation>

C (54%)

D (46%)

<https://learn.microsoft.com/en-us/rest/api/cosmos-db/get-a-document>

✉ g2000 Highly Voted 12 months ago

Selected Answer: D

Document extraction skill only works for files. It's less likely to work with CosmosDB.

1 upvoted 6 times

✉ AzureJobsTillRetire 2 months, 2 weeks ago

This is not correct.

Azure Cosmos DB is a globally distributed multi-model database with support for multiple APIs.

The Get Document operation retrieves a document by its partition key and document key.

Method Request URI Description

GET [https://\[databaseaccount\].documents.azure.com/dbs/\[db-id\]/colls/\[coll-id\]/docs/\[doc-id\]](https://[databaseaccount].documents.azure.com/dbs/[db-id]/colls/[coll-id]/docs/[doc-id]) Note that the [databaseaccount] is the name of the Azure Cosmos DB account created under your subscription. The [db-id] value is the user generated name/ID of the database, not the system generated ID (rid). The [coll-id] value is the name of the collection. The [doc-id] value is the ID of the document to be retrieved.

<https://learn.microsoft.com/en-us/rest/api/cosmos-db/get-a-document>

1 upvoted 1 times

✉ sdokmak 11 months ago

so A?..

1 upvoted 2 times

✉ sdokmak 11 months ago

nvm i get it now

1 upvoted 1 times

✉ not_a_robot Highly Voted 9 months, 2 weeks ago

Selected Answer: C

The answer is correct.

It's to extract the content from the inputs. It supports a lot of formats of documents, including JSON.

<https://docs.microsoft.com/en-us/azure/search/cognitive-search-skill-document-extraction>

1 upvoted 5 times

✉ am20 4 months, 1 week ago

Selected Answer: C

I'm assuming Cosmos DB will be used for output not as an input

1 upvoted 1 times

✉ am20 4 months, 1 week ago

nevermind

1 upvoted 1 times

Question 10

You are developing the knowledgebase by using Azure Cognitive Search.

You need to meet the knowledgebase requirements for searching equivalent terms.

What should you include in the solution?

- A. synonym map
- B. a suggester
- C. a custom analyzer
- D. a built-in key phrase extraction skill

Answer: A

Within a search service, synonym maps are a global resource that associate equivalent terms, expanding the scope of a query without the user having to actually provide the term.

For example, assuming "dog", "canine", and "puppy" are mapped synonyms, a query on "canine" will match on a document containing "dog".

Create synonyms: A synonym map is an asset that can be created once and used by many indexes.

Reference:

<https://docs.microsoft.com/en-us/azure/search/search-synonyms>

✉ Eltooth 9 months, 3 weeks ago

Selected Answer: A

A is correct answer.

Synonym maps are a global resource that associate equivalent terms, expanding the scope of a query without the user having to actually provide the term. You might create multiple synonym maps for different languages, such as English and French versions, or lexicons if your content includes technical or obscure terminology.

<https://docs.microsoft.com/en-us/azure/search/search-synonyms>

👍 ↗️ 💬 upvoted 1 times

Solution Challenge

Question 1 2 3 4

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.

- A. Solution: You deploy service1 and a public endpoint to a new virtual network, and you configure Azure Private Link.
- B. Solution: You deploy service1 and a public endpoint, and you configure an IP firewall rule.
- C. Solution: You deploy service1 and a public endpoint, and you configure a network security group (NSG) for vnet1.
- D. Solution: You deploy service1 and a private endpoint to vnet1.

Answer: D

A 的解释

The Azure Private Link should use a private endpoint, not a public endpoint.

Private Link service can be accessed from approved private endpoints in any public region.

Reference:

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

B 的解释

Instead deploy service1 and a private (not public) endpoint to a new virtual network, and you configure Azure Private Link.

Reference:

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

D 的解释

A private endpoint is a network interface that uses a private IP address from your virtual network. This network interface connects you privately and securely to a service powered by Azure Private Link. By enabling a private endpoint, you're bringing the service into your virtual network.

The service could be an Azure service such as:

- ⇒ Azure Storage
- ⇒ Azure Cosmos DB
- ⇒ Azure SQL Database
- ⇒ Your own service using a Private Link Service.

Reference:

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

✉️  **RAN_L** 2 months, 1 week ago

Selected Answer: A

By deploying a private endpoint to vnet1, the traffic between app1 and service1 can be routed through the Azure backbone network instead of over the public internet, providing a more secure and reliable connection.

   upvoted 1 times

✉️  **STH** 8 months ago

Selected Answer: A

Private Endpoint is the right solution to avoid public internet access

   upvoted 2 times

✉️  **not_a_robot** 9 months, 3 weeks ago

How would the solution work without Azure Private Link?

   upvoted 2 times

✉️  **Eltooth** 10 months, 1 week ago

Selected Answer: A

A is correct answer : yes.

   upvoted 3 times

Question 5 6 7 8

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 have an Azure Cognitive Search service.

During the past 12 months, query volume steadily increased.

You discover that some search query requests to the Cognitive Search service are being throttled.

You need to reduce the likelihood that search query requests are throttled.

A. Solution: You migrate to a Cognitive Search service that uses a higher tier.

B. Solution: You add indexes.

C. Solution: You enable customer-managed key (CMK) encryption.

D. Solution: You add replicas

Answer: A D

A 的评论

A simple fix to most throttling issues is to throw more resources at the search service (typically replicas for query-based throttling, or partitions for indexing-based throttling).

However, increasing replicas or partitions adds cost, which is why it is important to know the reason why throttling is occurring at all.

Reference:

<https://docs.microsoft.com/en-us/azure/search/search-performance-analysis>

✉️  eham757  1 year ago

Selected Answer: A

answer is correct

   upvoted 5 times

✉️  RAN_L  2 months, 1 week ago

Selected Answer: A

A. Yes.

Migrating to a higher tier in Azure Cognitive Search can provide more resources, such as increased storage, throughput, and replicas, which can help reduce the likelihood of search query requests being throttled.

   upvoted 1 times

✉️  claps92 4 months, 1 week ago

Using a higher tier does not imply scaling replicas or partitions.

The answer should be no

   upvoted 4 times

B 的评论

Instead, you could migrate to a Cognitive Search service that uses a higher tier.

Note: A simple fix to most throttling issues is to throw more resources at the search service (typically replicas for query-based throttling, or partitions for indexing-based throttling).

However, increasing replicas or partitions adds cost, which is why it is important to know the reason why throttling is occurring at all.

Reference:

<https://docs.microsoft.com/en-us/azure/search/search-performance-analysis>

<https://learn.microsoft.com/en-us/azure/search/search-what-is-an-index#index-isolation>

<https://docs.microsoft.com/en-gb/learn/modules/maintain-azure-cognitive-search-solution/03-optimize-performance-of-azure-cognitive-search-solution>

□  **RAN_L** 2 months, 1 week ago

Selected Answer: B

Adding indexes alone may not be sufficient to reduce the likelihood of search query requests being throttled. Increasing the number of replicas and scaling up to a higher tier can also help reduce throttling. Additionally, optimizing the search queries and reducing the number of requests can also help alleviate the issue. Therefore, without additional information, it is not possible to determine if adding indexes alone would meet the goal.

   upvoted 1 times

□  **vmisirlis** 3 months ago

The answer is B. Adding indexes will not reduce the likelihood that search query requests are being throttled.

Throttling occurs when the search service is at capacity and cannot handle the volume of incoming requests. Adding indexes will not necessarily increase the capacity of the search service.

   upvoted 1 times

□  **STH** 8 months, 1 week ago

Selected Answer: A

"How your search queries perform is directly connected to the size and complexity of your indexes."

Question does not tell anything about the current state or indexes. There even may be none.

Without any context, yes adding indexes improves query performance

   upvoted 2 times

□  **Rob77** 2 weeks ago

Unlikely, In Cognitive Search, you'll work with one index at a time, where all index-related operations target a single index. There is no concept of related indexes or the joining of independent indexes for either indexing or querying.

<https://learn.microsoft.com/en-us/azure/search/search-what-is-an-index#index-isolation>

   upvoted 1 times

Eltooth 10 months, 1 week ago

Selected Answer: B

B is correct answer.

"How your search queries perform is directly connected to the size and complexity of your indexes. The smaller and more optimized your indexes, the fast Azure Cognitive Search can respond to queries.

If your index has been optimized but the performance still isn't where it needs to be, you can choose to scale up or scale out your search service.

If you've applied all of the above and still have individual queries that don't perform, you can scale out your index. Depending on the service tier you used to create your search solution, you can add up to 12 partitions. Partitions are the physical storage where your index resides. By default, all new search indexes are created with a single partition. If you add more partitions, the index is stored across them. For example, if your index is 200 GB and you've four partitions, each partition contains 50 GB of your index.

Adding extra partitions can help with performance as the search engine can run in parallel in each partition.

upvoted 4 times

Eltooth 10 months, 1 week ago

You can scale out with replicas if you need to scale because of an increase in load. You can also scale up your search service by using a higher tier.

<https://docs.microsoft.com/en-gb/learn/modules/maintain-azure-cognitive-search-solution/03-optimize-performance-of-azure-cognitive-search-solution>

upvoted 1 times

C 的评论

Customer-managed key (CMK) encryption does not affect throttling.

Instead, you could migrate to a Cognitive Search service that uses a higher tier.

Note: A simple fix to most throttling issues is to throw more resources at the search service (typically replicas for query-based throttling, or partitions for indexing-based throttling).

However, increasing replicas or partitions adds cost, which is why it is important to know the reason why throttling is occurring at all.

Reference:

<https://docs.microsoft.com/en-us/azure/search/search-performance-analysis>

RAN_L 2 months, 1 week ago

Selected Answer: B

No, enabling customer-managed key (CMK) encryption would not directly reduce the likelihood of search query requests being throttled. CMK encryption helps protect data at rest and in transit, but it does not directly impact the performance or throughput of the search service. To reduce the likelihood of search query requests being throttled, you might consider upgrading to a higher tier or making changes to the search indexing and query performance, such as optimizing search queries and filters, reducing query volume, or adding more indexes or replicas.

upvoted 1 times

Eltooth 10 months, 1 week ago

Selected Answer: B

B is correct answer : no.

Obvious.

upvoted 1 times

D 的评论

A simple fix to most throttling issues is to throw more resources at the search service (typically replicas for query-based throttling, or partitions for indexing-based throttling). However, increasing replicas or partitions adds cost, which is why it is important to know the reason why throttling is occurring at all.

Reference:

<https://docs.microsoft.com/en-us/azure/search/search-performance-analysis>

<https://learn.microsoft.com/en-us/azure/search/search-performance-tips#index-size-and-schema>

✉️  **eth1** 3 months, 2 weeks ago

Selected Answer: A

From : <https://learn.microsoft.com/en-us/azure/search/search-performance-tips#index-size-and-schema>

However, if the index is right-sized, the only other calibration you can make is to increase capacity: either by adding replicas or upgrading the service tier

So adding replicas and upgrading the sku is two valid answers for this question

   upvoted 3 times

✉️  **HotDurian** 5 months, 1 week ago

Selected Answer: A

Answer is correct

   upvoted 1 times

✉️  **practicewizards** 8 months, 1 week ago

Shouldn't it be Cognitive Search with a higher tier?

   upvoted 3 times

Question 9 10 11

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.

- A. Solution: You create a new pattern in the FindContact intent.
- B. Solution: You create a new intent for location.
- C. Solution: You create a new entity for the domain.

Answer: C

A 的评论

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>

A (54%)

B (46%)

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-concept-patterns>

<https://learn.microsoft.com/en-us/training/modules/build-language-understanding-model/4-use-patterns-differentiate-similar-utterances>

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/concepts/patterns-features#patterns-do-not-improve-machine-learning-entity-detection>

✉️  **azurelearner666** Highly Voted 1 year, 10 months ago

Using a pattern could be a good solution IMHO...
☞ Find contacts in London.
☞ Who do I know in Seattle?
☞ Search for contacts in Ukraine.

Like

Where is {FormName}[?]
Who authored {FormName}[?]
{FormName} is published in French[?]
(taken from <https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-concept-patterns>)

we could do:

☞ Find contacts in {CityOrCountry}.
☞ Who do I know in {CityOrCountry}[?]
☞ Search for contacts in {CityOrCountry}[?].

So, to me a pattern is a Solution (A)

   upvoted 13 times

✉️  **practicewizards** 8 months, 1 week ago

I agree. The intent here is "search for contact", for example. The location is an entity type "location", as you can see in the example What's the weather like in Seattle tomorrow? on the link given by @YipingRuan

   upvoted 1 times

✉️  **YipingRuan** 1 year, 10 months ago

Agree, but Entity is also good <https://docs.microsoft.com/bs-cyrl-ba/azure/cognitive-services/luis/luis-concept-intent#intent-compared-to-entity>

   upvoted 2 times

✉️  **hens** Most Recent 1 week, 1 day ago

chat gpt "B. No.

Creating a new pattern in the FindContact intent is not the correct approach to implementing a phrase list in Language Understanding. Instead, you should use the Phrase List feature in Language Understanding. The Phrase List feature allows you to define a list of phrases that are relevant to a particular intent. These phrases can then be used to improve the accuracy of the language model for that intent."

   upvoted 1 times

✉️  **marti_tremblay000** 2 months, 1 week ago

Selected Answer: B

ChatGPT answer :

No, simply creating a new pattern in the FindContact intent is not enough to implement the phrase list in Language Understanding. You need to add the phrases to the intent as training examples so that the language model can learn to recognize them and correctly identify the FindContact intent when a user enters a similar phrase.

To implement the phrase list in Language Understanding, you should add the provided phrases as training examples to the FindContact intent. This will enable the language model to learn the different ways that users may express the intent to find contacts in different locations. You can do this by going to the Language Understanding service and adding the phrases to the FindContact intent's training data.

   upvoted 1 times

 **RAN_L** 2 months, 1 week ago

Selected Answer: B

No, creating a new pattern in the FindContact intent does not meet the goal of implementing the phrase list in Language Understanding.

Explanation:

To implement the given list of phrases in Language Understanding, you need to add them as sample utterances to the FindContact intent. Sample utterances are example phrases that a user might say to trigger an intent.

Adding the given phrases as sample utterances will enable the language model to recognize them as valid inputs for the FindContact intent and provide the appropriate response.

Therefore, the correct solution is to add the given phrases as sample utterances to the FindContact intent.

   upvoted 1 times

 **ap1234pa** 4 months ago

Selected Answer: A

Adding a new pattern to existing findContact() intent will help

   upvoted 2 times

 **Pyguy** 4 months, 3 weeks ago

Selected Answer: B

Below is taken from the MS Learn :

"In some cases, a model might contain MULTIPLE INTENTS for which utterances are likely to be similar.

You can use the pattern of utterances to disambiguate the intents while minimizing the number of sample utterances.

For example, consider the following utterances:

"Turn on the kitchen light"

"Is the kitchen light on?"

"Turn off the kitchen light"

These utterances are syntactically similar, with only a few differences in words or punctuation.

However, they represent THREE different INTENTS (which could be named TurnOnDevice, GetDeviceStatus, and TurnOffDevice) ".....

In this question we have ONLY ONE and one intent and it is "FindContact". Nothing to do Patterns here.

Source : <https://learn.microsoft.com/en-us/training/modules/build-language-understanding-model/4-use-patterns-differentiate-similar-utterances>

   upvoted 1 times

 **STH** 8 months ago

Selected Answer: A

According to MS learn, answer should be yes (A)

<https://learn.microsoft.com/en-us/training/modules/create-language-understanding-app/5-use-patterns-to-differentiate-similar-utterances>

This is a FindContact intent with a location entity pattern

   upvoted 4 times

✉  **saurabh1314** 8 months, 2 weeks ago

Since Questions ask for Intent. So from my point of view answer is A

   upvoted 1 times

✉  **AiEngineers** 10 months, 1 week ago

Selected Answer: A

what else?

   upvoted 1 times

✉  **Eltooth** 10 months, 1 week ago

Selected Answer: B

B is correct answer.

(Also Entity is incorrect).

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. (Answer taken from Udemy course).

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/concepts/patterns-features#patterns-do-not-improve-machine-learning-entity-detection>

   upvoted 3 times

✉  **Jenny1** 1 year, 11 months ago

The answer is B, since they're not closely related, there won't be any need for creating a pattern or new intent.

   upvoted 3 times

✉  **azurelearner666** 1 year, 10 months ago

I think this is wrong.

   upvoted 1 times

B 的评论

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-concept-intent>

✉  **hiabcd**  1 year, 11 months ago

This should be "No"

   upvoted 26 times

✉  **iyiola_daniel** 1 year, 10 months ago

I think the answer should be 'No' too. The intent is for FindContact, not location really.

   upvoted 5 times

✉  **zubfaruq**  1 year, 8 months ago

The answer should be NO.

An utterance having wo intents? This is illogical.

The model should have an Entity "Location" that will help in finding the contacts.

Reference: <https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-concept-intent>

   upvoted 10 times

✉  **Marilena96** Most Recent 3 months ago

Think its Yes, creating a new intent for location would meet the goal of implementing the phrase list in Language Understanding. You can add the phrases to the new intent and label the location entity in each phrase. This will help the language model understand the user's intent to search for contacts in a specific location.

   upvoted 2 times

✉  **ap1234pa** 4 months ago

Selected Answer: B

This is "NO"

   upvoted 1 times

✉  **Eltooth** 10 months ago

Selected Answer: B

B is correct answer.

Needs Entity/type for location instead.

   upvoted 2 times

✉  **zb99** 1 year ago

Selected Answer: B

Definitely no.

   upvoted 1 times

✉  **[Removed]** 1 year, 4 months ago

This should be No.

   upvoted 2 times

✉  **sumanshu** 1 year, 4 months ago

intent (means what task we need to perform) - So here task is same i.e. Find Contacts. So No need to add an new intent.

But need to add type/entity : location

   upvoted 2 times

✉  **TanujitRoy** 1 year, 6 months ago

Selected Answer: B

This should be NO

   upvoted 2 times

✉  **durak** 1 year, 6 months ago

Remember trick

E n (england) --> entity - noun

U s (USA) --> utterances - statement

I v (Ivory Coast) - Intent- Verb

So answer is B

   upvoted 3 times

✉  **GMKanon** 1 year, 8 months ago

Location should be an entity. So "no" is correct

   upvoted 2 times

✉  **YipingRuan** 1 year, 10 months ago

CheckWeather

"What's the weather like in Boston?"

"Show me the forecast for this weekend"

   upvoted 1 times

✉  **vaskar** 1 year, 10 months ago

Answer should be no. Create one entity for location should be the correct approach.

   upvoted 3 times

✉  **Duch003** 1 year, 10 months ago

Yes is correct.

   upvoted 2 times

✉  **Jenny1** 1 year, 11 months ago

The answer is correct.

   upvoted 3 times

C 的评论

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-concept-intent>

✉  **SamedKia**  1 year ago

Wrong! We create a new location entity for domain to keep the location of FindContact intent.

   upvoted 11 times

✉  **marti_tremblay000**  2 months, 1 week ago

Selected Answer: A

ChatGPT answer :

To implement the phrase list in Language Understanding, you need to create a new intent called "FindContact" and add the following phrases as utterances:

Find contacts in London

Who do I know in Seattle?

Search for contacts in Ukraine

You also need to create a new entity for the domain, which could be something like "Location" or "City".

So, yes, creating a new entity for the domain and adding the given phrases to a new intent called "FindContact" would meet the goal of building a language model to search for information on a contact list.

   upvoted 1 times

✉  **ap1234pa** 4 months ago

Selected Answer: A

A is correct

   upvoted 2 times

✉  **SSJA** 5 months ago

Selected Answer: A

Correct answer is A

   upvoted 1 times

✉  **Nebary** 8 months, 4 weeks ago

Selected Answer: A

Agreed with SamedKia. Should be YES

The model should have an Entity "Location" that will help in finding the contacts. Reference:
<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-concept-intent>

   upvoted 4 times

Question 12 13 14

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 develop an application to identify species of flowers by training a Custom Vision model.

You receive images of new flower species.

You need to add the new images to the classifier.

A. Solution: You add the new images, and then use the Smart Labeler tool.

B. Solution: You add the new images and labels to the existing model. You retrain the model, and then publish the model.

C. Solution: You create a new model, and then upload the new images and labels.

Answer: B

A 的评论

The model need to be extended and retrained.

Note: Smart Labeler to generate suggested tags for images. This lets you label a large number of images more quickly when training a Custom Vision model.

  **TheB** Highly Voted  1 year, 10 months ago

The answer is correct.

   upvoted 12 times

  **azurelearner666** Highly Voted  1 year, 10 months ago

correct! retraining is necesary!

   upvoted 5 times

  **hens** Most Recent  1 week, 1 day ago

chat gpt "

ChatGPT

A. Yes.

Using the Smart Labeler tool is a valid way to train a Custom Vision model with new images. It allows the user to label images more efficiently by using an active learning approach that selects images that will have the highest impact on the model's performance."

   upvoted 1 times

✉  **ExamGuruBhai** 9 months, 2 weeks ago

retrain model so answer is B

   upvoted 1 times

✉  **Eltooth** 10 months, 1 week ago

Selected Answer: B

B is correct answer : No.

Instead the model need to be extended and retrained (Udemy answer).

   upvoted 2 times

✉  **hendriktygatpwc** 1 year, 2 months ago

answer is correct

   upvoted 1 times

✉  **sumanshu** 1 year, 4 months ago

Label + Retrain

   upvoted 2 times

B 的评论

The model needs to be extended and retrained.

✉  **azurelearner666**  1 year, 10 months ago

Correct!

uploading, tagging, retraining and publishing the model

   upvoted 15 times

✉  **Eltooth**  10 months, 1 week ago

Selected Answer: A

A is correct answer : Yes

Instead the model need to be extended and retrained (Udemy answer).

Note: Use Smart Labeler to generate suggested tags for images. This lets you label a large number of images more quickly when training a Custom Vision model.

   upvoted 1 times

✉  **ppo12** 10 months, 2 weeks ago

Looks good to me!

   upvoted 1 times

✉  **PHD_CHENG** 11 months, 2 weeks ago

Was on exam 7 Jun 2022

   upvoted 1 times

C 的评论

✉  **Eltooth** 10 months, 1 week ago

Selected Answer: B

B is correct answer : No.

The model needs to be extended and retrained. (Udemy answer)

Note: Use Smart Labeler to generate suggested tags for images. This lets you label a large number of images more quickly when training a Custom Vision model.

   upvoted 1 times

✉  **htolajide** 1 year, 8 months ago

Answer is correct, no need to create a new model, the existing one should be extended and retrained

   upvoted 3 times

✉  **Rdninja** 1 year, 10 months ago

You don't need to retrain because you created a brand new model

   upvoted 1 times

✉  **Messatsu** 1 year, 10 months ago

No. If "You create a new model, and then upload the new images and labels." your model lacks previous images of other flowers. So the answer is correct.

   upvoted 6 times

✉  **YipingRuan** 1 year, 10 months ago

If must, Create and upload the new model, not upload the image..

   upvoted 1 times

✉  **azurelearner666** 1 year, 10 months ago

correct!

response lacks the model retraining...

   upvoted 3 times

Question 15 16 17

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 have a chatbot that uses question answering in Azure Cognitive Service for Language.

Users report that the responses of the chatbot lack formality when answering spurious questions.

You need to ensure that the chatbot provides formal responses to spurious questions.

A. Solution: From Language Studio, you change the chitchat source to

qna_chitchat_friendly.tsv, and then retrain and republish the model.

B. Solution: From Language Studio, you modify the question and answer pairs for the custom intents, and then retrain and republish the model.

C. Solution: From Language Studio, you change the chitchat source to

qna_chitchat_professional.tsv, and then retrain and republish the model.

Answer: B or C, ET 给的答案是 C, ET User 选的 BC, 新题没什么评论
A 的评论

✉️ marti_tremblay000 2 months, 1 week ago

Selected Answer: B

ChatGPT answer :

No, changing the chitchat source to "qna_chitchat_friendly.tsv" and retraining and republishing the model will not necessarily meet the goal of ensuring that the chatbot provides formal responses to spurious questions.

The "qna_chitchat_friendly.tsv" file is a source file for casual chitchat, which includes conversational responses for informal topics, such as hobbies and movies. This file is not designed to provide formal responses to spurious questions. Therefore, changing the source file to this file and retraining the model will not necessarily improve the formality of responses to spurious questions.

👍 ↗️ 💬 upvoted 1 times

B 的评论

✉️ marti_tremblay000 2 months, 1 week ago

Selected Answer: A

ChatGPT answer :

Yes, modifying the question and answer pairs for the custom intents in Language Studio, and then retraining and republishing the model can meet the goal of ensuring that the chatbot provides formal responses to spurious questions.

The question and answer pairs in Language Studio are used to train the machine learning model for the chatbot. By modifying these pairs to provide more formal responses to spurious questions, and then retraining and republishing the model, the chatbot will have a better understanding of the user's input and will be able to provide more formal responses.

👍 ↗️ 💬 upvoted 1 times

C 的评论

 marti_tremblay000 2 months, 1 week ago

Selected Answer: A

ChatGPT answer :

Yes, changing the chitchat source to "qna_chitchat_professional.tsv" and retraining and republishing the model can meet the goal of ensuring that the chatbot provides formal responses to spurious questions.

The "qna_chitchat_professional.tsv" file is a source file for professional chitchat, which includes conversational responses for formal topics, such as business and finance. This file is designed to provide more formal responses to chitchat questions, so changing the source file to this file and retraining the model can improve the formality of responses to spurious questions.

   upvoted 1 times

Question 18 19 20

You are building a chatbot that will use question answering in Azure Cognitive Service for Language.

You have a PDF named Doc1.pdf that contains a product catalogue and a price list

You upload Doc1.pdf and train the model.

During testing, users report that the chatbot responds correctly to the following question:

What is the price of < product>?

The chatbot fails to respond to the following question: How much does

You need to ensure that the chatbot responds correctly to both questions.

A. Solution: From Language Studio, you create an entity for cost, and then retrain and

republish the model.

B. Solution: From Language Studio, you create an entity for price, and then retrain and
republish the model.

C. Solution: From Language Studio, you enable chit-chat, 后边没记住

我选的 B

Common Question 1

Question 1

DRAG DROP -

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.

Select and Place:

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

Answer:

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

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>
<https://docs.microsoft.com/en-us/dotnet/api/microsoft.azure.cognitiveservices.language.luis.authoring.featuresextensions.addphraselistasync?view=azure-dotnet>
<https://docs.microsoft.com/en-us/java/api/com.microsoft.azure.cognitiveservices.language.luis.authoring.features.addphraselistasync?view=azure-java-stable>
<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/client-libraries-rest-api?tabs=windows&pivots=programming-language-csharp>

✉️  **Akki0120** 5 months ago

Sharing full dumps wapp on 9403778084

   upvoted 3 times

✉️  **reachmymind** 1 year, 2 months ago

Box 1: AddPhraseListAsync

Box 2: PhraselistCreateObject

```
var phraselistId = await client.Features.AddPhraseListAsync(appId, versionId, new  
PhraselistCreateObject  
{  
EnabledForAllModels = false,  
IsExchangeable = true,  
Name = "QuantityPhraselist",  
Phrases = "few,more,extra"  
});
```

Mapping :

Model - Entity - Async

Feature - PhraseList - Async

   upvoted 4 times

✉️  **sumanshu** 1 year, 4 months ago

Vote for 'C' as per the provided Link (in Solution itself). But Better go with elimination method.

We want to add the Phrases, So most suitable function name is : AddPhraseListAsync (out of all other options)

Now, for an argument, If we look options (Phrases (it's already passed in body, SavePhrases and UploadPhrases will also get eliminated, because we are manually passing the phrases with in function body)). So 2 options left i.e. PhraseList and PhraseListCreateObject, Here in C# code, we are using "new" keyword which is used to instance the object, So "PhraseListCreateObject" more suitable.

   upvoted 2 times

✉️  **dpinlaguna** 1 year, 5 months ago

Link with explanation: <https://docs.microsoft.com/en-us/dotnet/api/microsoft.azure.cognitiveservices.language.luis.authoring.featuresextensions.addphraselistasync?view=azure-dotnet>

   upvoted 3 times

- ✉  **Ravnit** 1 year, 5 months ago
Was on exam 27/11/2021
   upvoted 2 times
- ✉  **zoo1997** 1 year, 7 months ago
<https://docs.microsoft.com/en-us/java/api/com.microsoft.azure.cognitiveservices.language.luis.authoring.features.addphraseslistasync?view=azure-java-stable>
   upvoted 1 times
- ✉  **akinscube** 1 year, 11 months ago
Please where can I find an explanation for this. I have gone through the modules but I couldn't get it, and the reference is not that straight forward.
   upvoted 2 times
- ✉  **idrisfl** 1 year, 10 months ago
It is explained in the provided answer link
<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/client-libraries-rest-api?tabs=windows&pivots=programming-language-csharp>
   upvoted 3 times
- ✉  **WillyMac** 1 year, 11 months ago
Answer is correct.
   upvoted 3 times
- ✉  **VT100** 1 year, 11 months ago
This question was in the exam.
   upvoted 1 times

Question 2

DRAG DROP -

You plan to use a Language Understanding application named app1 that is deployed to a container.

App1 was developed by using a Language Understanding authoring resource named lu1. App1 has the versions shown in the following table.

Version	Trained date	Published date
V1.2	None	None
V1.1	2020-10-01	None
V1.0	2020-09-01	2020-09-15

You need to create a container that uses the latest deployable version of app1.

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.

Select and Place:

Actions	Answer Area
Run a container that has version set as an environment variable.	
Export the model by using the Export as JSON option.	
Select v1.1 of app1.	
Run a container and mount the model file.	
Select v1.0 of app1.	
Export the model by using the Export for containers (GZIP) option.	
Select v1.2 of app1.	

ET User:

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-container-howto?tabs=v3#export-versioned-apps-package-from-luis-portal>

Select v1.1 of app1

Export the model by using the Export for containers (GZIP) option.

Run a container and mount the model file.

- ✉  **kiassi1998**  1 year ago
Select the version 1.1 before exporting the model
   upvoted 11 times
- ✉  **Eltooth**  10 months, 1 week ago
Select v1.1.
Export
Run and mount
   upvoted 6 times
- ✉  **Akki0120**  5 months ago
Sharing full dumps wapp on 9403778084
   upvoted 1 times
- ✉  **ap1234pa** 4 months, 1 week ago
is this number working?
   upvoted 1 times
- ✉  **jampack** 11 months, 3 weeks ago
Select v1.1 is not published a version. It should be Select v1.0
   upvoted 1 times
- ✉  **ThomasKong** 1 year ago
how come can export first before select version ? imagination ?
   upvoted 1 times
- ✉  **g2000** 1 year ago
Step 4: select the version
Step 7: Export for container
<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-container-howto?tabs=v3#export-versioned-apps-package-from-luis-portal>
   upvoted 2 times
- ✉  **DingDongSingSong** 1 year ago
Why select v1.1 and not v1.0. Deployable model is a published model, not trained model.
   upvoted 3 times
- ✉  **sdokmak** 11 months, 1 week ago
from solution link: "The Language Understanding (LUIS) container loads your trained or published Language Understanding model." Trained alone is deployable, v1.1
   upvoted 7 times

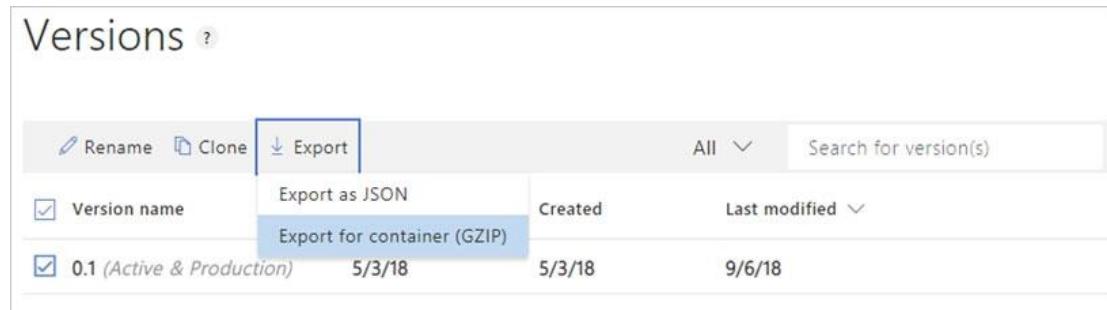
ET Answer:

Actions	Answer Area
Run a container that has <code>version</code> set as an environment variable.	Export the model by using the Export for containers (GZIP) option.
Export the model by using the Export as JSON option.	Select v1.1 of app1.
Select v1.1 of app1.	Run a container and mount the model file.
Run a container and mount the model file.	
Select v1.0 of app1.	
Export the model by using the Export for containers (GZIP) option.	
Select v1.2 of app1.	

Step 1: Export the model using the Export for containers (GZIP) option.

Export versioned app's package from LUIS portal. The versioned app's package is available from the Versions list page.

1. Sign on to the LUIS portal.
2. Select the app in the list.
3. Select Manage in the app's navigation bar.
4. Select Versions in the left navigation bar.
5. Select the checkbox to the left of the version name in the list.
6. Select the Export item from the contextual toolbar above the list.
7. Select Export for container (GZIP).
8. The package is downloaded from the browser.



The screenshot shows the LUIS Versions list page. At the top, there are buttons for Rename, Clone, and Export. The Export button is highlighted with a blue box. A dropdown menu is open under the Export button, showing two options: 'Export as JSON' and 'Export for container (GZIP)'. Below the menu, the versions list is displayed. The first row shows a checked checkbox labeled 'Version name', followed by '0.1 (Active & Production)', '5/3/18', 'Created', and 'Last modified'. The 'Export for container (GZIP)' option is highlighted with a blue box in the menu.

Version name	Created	Last modified
0.1 (Active & Production)	5/3/18	9/6/18

Step 2: Select v1.1 of app1.

A trained or published app packaged as a mounted input to the container with its associated App ID.

Step 3: Run a contain and mount the model file.

Run the container, with the required input mount and billing settings.

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-container-howto>

Question 3

You need to build a chatbot that meets the following requirements:

- ☞ Supports chit-chat, knowledge base, and multilingual models
- ☞ Performs sentiment analysis on user messages
- ☞ Selects the best language model automatically

What should you integrate into the chatbot?

- A. QnA Maker, Language Understanding, and Dispatch
- B. Translator, Speech, and Dispatch
- C. Language Understanding, Text Analytics, and QnA Maker
- D. Text Analytics, Translator, and Dispatch

Answer: C

Language Understanding: An AI service that allows users to interact with your applications, bots, and IoT devices by using natural language.

QnA Maker is a cloud-based Natural Language Processing (NLP) service that allows you to create a natural conversational layer over your data. It is used to find the most appropriate answer for any input from your custom knowledge base (KB) of information.

Text Analytics: Mine insights in unstructured text using natural language processing (NLP) - no machine learning expertise required. Gain a deeper understanding of customer opinions with sentiment analysis. The Language Detection feature of the Azure Text Analytics REST API evaluates text input

Incorrect Answers:

A, B, D: Dispatch uses sample utterances for each of your bot's different tasks (LUIS, QnA Maker, or custom), and builds a model that can be used to properly route your user's request to the right task, even across multiple bots.

Reference:

<https://azure.microsoft.com/en-us/services/cognitive-services/text-analytics/>

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

  **sumanshu**  1 year, 4 months ago

Vote for C

Supports chit-chat, - Language Understanding
knowledge base - Q&A Maker
sentiment analysis - text Analytics

   upvoted 6 times

✉  **Eltooth** Most Recent 10 months, 1 week ago

Selected Answer: C

C is correct answer.
Correct answer taken from Udemy practise questions.

   upvoted 1 times

✉  **PHD_CHENG** 11 months, 2 weeks ago

was on exam 7 Jun 2022.
   upvoted 3 times

✉  **certseeker09** 1 year, 1 month ago

You are developing a Text to Speech application by using the Speech service.
The application will be used to convert interview transcripts into audio files.
You need to ensure that the audio files can support multiple speaker voices.

What should you use?
HTML
Neural voices
SSML
the Long Audio API

You have an application that performs Speech to Text services for users by using the Speech SDK. You need to add the ability to perform Text to Speech in the application.
Besides the text, which other values should you include in your queries?

the pronunciation
the voice
a keyword
the phrase list

You plan to use Text Analytics to detect the language of reviews.
You need to route the reviews that are multi-lingual to a human translator.
Which field in the JSON response should you use to filter records?

score
errors
statistics
name
   upvoted 2 times

✉  **sam9909** 1 year, 4 months ago

was on exam 17/01/2022
   upvoted 1 times

✉  **ashu789** 1 year, 5 months ago

was on exam 05/12/2021
   upvoted 2 times

✉  **Ravnit** 1 year, 5 months ago

Was on exam 27/11/2021
   upvoted 1 times

✉  **dijaa** 1 year, 9 months ago

appeared today
   upvoted 2 times

✉  **WillyMac** 1 year, 11 months ago

I agree with the answer
   upvoted 3 times

✉  **VT100** 1 year, 11 months ago

This question was in the exam(1 June 2021).

Question 4

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 service should you use?

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

Answer: C

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>

✉️  **KingChuang** 4 months ago

on my exam (2023-01-16)

My Answer:C

   upvoted 4 times

✉️  **wiini** 2 months, 2 weeks ago

did you pass it? :D, how many questions did you get from here?

   upvoted 2 times

✉️  **kml2003** 5 months ago

Selected Answer: C

Form recognizer

   upvoted 2 times

✉️  **NK0709** 8 months ago

C. Form Recognizer

   upvoted 1 times

✉️  **Eltooth** 10 months, 3 weeks ago

Selected Answer: C

C is correct answer.

   upvoted 2 times

✉️  **boofin** 11 months, 1 week ago

Use Form recognizer

   upvoted 1 times

Question 5

HOTSPOT -

You need to create a new resource that will be used to perform sentiment analysis and optical character recognition (OCR). The solution must meet the following requirements:

- ☞ Use a single key and endpoint to access multiple services.
- ☞ Consolidate billing for future services that you might use.
- ☞ Support the use of Computer Vision in the future.

How should you complete the HTTP request to create the new resource? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

```
https://management.azure.com/subscriptions/xxxxxxxx-xxxx-
██████████ PATCH
██████████ POST
██████████ PUT
xxxx-xxxx-
xxxxxxxxxxxx/resourceGroups/RG1/providers/Microsoft.CognitiveServices/
accounts/CS1?api-version=2017-04-18
{
    "location": "West US",
    "kind": "██████████",
        "CognitiveServices",
        "ComputerVision",
        "TextAnalytics"
    "sku": {
        "name": "S0"
    },
    "properties": {},
    "identity": {
        "type": "SystemAssigned"
    }
}
```

Answer:

Answer Area

```
https://management.azure.com/subscriptions/xxxxxxxx-xxxx-
xxxx-xxxx-
xxxxxxxxxx/resourceGroups/RG1/providers/Microsoft.CognitiveServices/
accounts/CS1?api-version=2017-04-18
{
    "location": "West US",
    "kind": "CognitiveServices",
    "sku": {
        "name": "S0"
    },
    "properties": {},
    "identity": {
        "type": "SystemAssigned"
    }
}
```

Box 1: PUT -

Sample Request: PUT https://management.azure.com/subscriptions/00000000-0000-0000-
0000-000000000000/resourceGroups/test-rg/providers/
Microsoft.DeviceUpdate/accounts/contoso?api-version=2020-03-01-preview

Incorrect Answers:

PATCH is for updates.

Box 2: CognitiveServices -

Microsoft Azure Cognitive Services provide us to use its pre-trained models for various Business Problems related to Machine Learning.

List of Different Services are:

- ☞ Decision
- ☞ Language (includes sentiment analysis)
- ☞ Speech
- ☞ Vision (includes OCR)
- ☞ Web Search

Reference:

<https://docs.microsoft.com/en-us/rest/api/deviceupdate/resourcemanager/accounts/create>

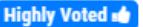
<https://www.analyticsvidhya.com/blog/2020/12/microsoft-azure-cognitive-services-api-for-ai-development/>

<https://docs.microsoft.com/en-us/rest/api/deviceupdate/resourcemanager/accounts/create>

<https://docs.microsoft.com/en-us/rest/api/resources/resources/create-or-update>

<https://management.azure.com/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.CognitiveServices/accounts/{accountName}?api-version=2021-04-30>

<https://westus.dev.cognitive.microsoft.com/docs/services/speech-to-text-api-v3-0/operations/CopyModelToSubscription>

✉  **WillyMac**  1 year, 11 months ago

I think answer is correct.

PUT: puts a file or resource at a specific URI, and exactly at that URI.

If there's already a file or resource at that URI, PUT replaces that file or resource.

If there is no file or resource there, PUT creates one.

POST: POST sends data to a specific URI and expects the resource at that URI to handle the request.

   upvoted 11 times

✉  **jeffangel28** 1 year, 11 months ago

It's seems correct, the link shows a similar example

<https://docs.microsoft.com/en-us/rest/api/deviceupdate/resourcemanager/accounts/create>

   upvoted 1 times

✉  **YipingRuan** 1 year, 10 months ago

Yes, PUT

<https://management.azure.com/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.CognitiveServices/accounts/{accountName}?api-version=2021-04-30>

   upvoted 2 times

✉  **Adedoyin_Simeon**  1 year, 10 months ago

Although in Web Programming, and API dev, PUT is an http(s) request method for an update operation. I can however create a resource when there is no resource to update. I don't know why precisely but the method used by Azure to actually make a REST API request to create a resource is actually "PUT". So, the answers are correct.

See Ref:

<https://docs.microsoft.com/en-us/rest/api/resources/resources/create-or-update>

   upvoted 6 times

✉  **Eltooth**  10 months, 3 weeks ago

PUT

CognativeServices

   upvoted 2 times

✉  **Contactfornitish** 1 year, 4 months ago

Was on exam 02/01/2022

   upvoted 2 times

✉  **sumanshu** 1 year, 4 months ago

PATCH is eliminated (It is only used for update). I think we can use both POST and PUT (to create resources). But good to use PUT (just in case if API has been re-triggered, So it will not fail).

And 2nd answer is "Cognitive services" which provides a lot of models. (So we can use computer vision as well). if we select only computer vision, then we can't use Sentiment analysis and OCR (for which we are trying to create a resource).

   upvoted 2 times

✉  **ashu789** 1 year, 5 months ago

was on exam 05/12/2021

   upvoted 1 times

✉  **Phong0411** 1 year, 5 months ago

Was on exam 30/11/2021

   upvoted 1 times

✉  **Ravnit** 1 year, 5 months ago

Was on exam 27/11/2021

   upvoted 1 times

✉  **mikegsm** 1 year, 6 months ago

seems correct

   upvoted 1 times

✉  **rohansingh04121985** 1 year, 8 months ago

I have cleared the exam, if anyone need paid pdf, then send me an email on
azuredeveloper007@gmail.com

   upvoted 4 times

✉  **ap1234pa** 4 months, 1 week ago

What is the cost of the pdf?

   upvoted 1 times

✉  **LPreethi** 1 year, 10 months ago

May be the reason to use PUT is because , PUT requests must be idempotent. If a client submits the same PUT request multiple times, the results should always be the same (the same resource will be modified with the same values). POST and PATCH requests are not guaranteed to be idempotent.

   upvoted 3 times

✉  **Satvik1992** 1 year, 10 months ago

this question appeared in the exam

   upvoted 2 times

✉  **LKLK10** 1 year, 11 months ago

Shouldn't the first one be POST? It says it's a new resource created, not an existing one updated.

   upvoted 3 times

✉  **sumanshu** 1 year, 4 months ago

PUT can also be used to CREATE resource

   upvoted 1 times

✉  **Jojo_star** 1 year ago

I agree, post is the answer if we want create new resource, below is link for another services, but still under cognitive services.

<https://westus.dev.cognitive.microsoft.com/docs/services/speech-to-text-api-v3-0/operations/CopyModelToSubscription>

   upvoted 1 times

Question 6

You are developing a new sales system that will process the video and text from a public-facing website.

You plan to monitor the sales system to ensure that it provides equitable results regardless of the user's location or background.

Which two responsible AI principles provide guidance to meet the monitoring requirements? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. transparency
- B. fairness
- C. inclusiveness
- D. reliability and safety
- E. privacy and security

ET User: BC

<https://docs.microsoft.com/en-us/learn/modules/responsible-ai-principles/4-guiding-principles>

✉️  **Eltooth** Highly Voted  10 months, 3 weeks ago

Selected Answer: BC

B and C are correct answers.

   upvoted 10 times

✉️  **marti_tremblay000** Most Recent  2 months, 1 week ago

Selected Answer: BC

ChatGPT answer :

The two responsible AI principles that provide guidance to meet the monitoring requirements are B. fairness and C. inclusiveness.

Fairness is the principle of ensuring that AI systems do not discriminate against any group or individual. In this scenario, monitoring the sales system to ensure equitable results regardless of the user's location or background helps to meet the fairness principle.

Inclusiveness is the principle of ensuring that AI systems are designed to be accessible to all users, regardless of their individual characteristics or abilities. Monitoring the sales system to ensure equitable results helps to meet the inclusiveness principle by ensuring that the system is not excluding or discriminating against any particular group or individual.

   upvoted 2 times

✉️  **claps92** 2 months, 3 weeks ago

According to me, A and B

   upvoted 2 times

✉  **GigaCaster** 7 months, 1 week ago

The answer is B and D as the question stated that this is a public-facing website thus reliability and safety are a big must and the second part which asks for equitable results regardless of background and location gets covered by fairness. I believe inclusiveness isn't correct because it isn't the main focus of this website atm. For instance, if the question was worded a bit differently like the results should be equitable results regardless of background, location, and/or impairment/ disability then I would say yes inclusiveness is correct.

   upvoted 2 times

✉  **GigaCaster** 6 months, 4 weeks ago

After rereading the question I would like to correct myself in saying that D was incorrect and C was correct as the question doesn't ask for anything related to reliability or safety in the first place because you aren't monitoring the website but rather the sales system itself.

   upvoted 2 times

✉  **Radeke** 8 months, 3 weeks ago

I don't think C is correct in this context. Inclusiveness refers to features/solutions that consider people with disadvantages or disabilities of some sorts. E.g. adding speech -to-text features for the visually impaired. I think it's B and D.
<https://docs.microsoft.com/en-us/learn/modules/responsible-ai-principles/4-guiding-principles>

   upvoted 2 times

✉  **dev2dev** 4 months ago

A geo-location biased AI model will result in biased results. C is correct because without inclusiveness of variety of locations data in training, a trained model will can result in biased results.

   upvoted 1 times

✉  **mohamedba** 11 months, 1 week ago

BC is the answer

   upvoted 2 times

✉  **PHD_CHENG** 11 months, 2 weeks ago

was on exam 7 Jun 2022

   upvoted 2 times

✉  **[Removed]** 1 year ago

Selected Answer: BC

definitely fairness and inclusion

   upvoted 2 times

✉  **jafferrocks** 1 year ago

B,C AS IT SHOULD BE FAIR AND INCLUDE ALL

   upvoted 3 times

✉  **PHD_CHENG** 1 year ago

Selected Answer: BC

B, C are suitable answers. The question is asking about "equitable results"

   upvoted 4 times

ET Answer: BD

AI systems should treat all people fairly.

AI systems should perform reliably and safely.

Reference:

<https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/strategy/responsible-ai>

Question 7

DRAG DROP -

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.

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

Select and Place:

Actions	Answer Area
Create a custom Dockerfile.	
Pull the Anomaly Detector container image.	
Distribute a <code>docker run</code> script.	
Push the image to an Azure container registry.	
Build the image.	
Push the image to Docker Hub.	

ET User:

1. Create a custom docker file
2. Pull the container image (in the dockerfile)
3. Build the image
- 4 Push to ACR

 **dinhhungitsoft** Highly Voted 1 year ago

I think the it should be:

1. Create a custom docker file
2. Pull the container image (in the dockerfile)
3. Build the image
- 4 Push to ACR

   upvoted 25 times

 **SamedKia** Highly Voted 1 year ago

I think it's Wrong!

- 1- Pull container image
- 2- Create a dockerfile
- 3- Build the image
- 4- Push to container registry

   upvoted 8 times

✉  **mgafar** Most Recent 1 month ago

- 1) Create a custom Docker file
- 2) Build the image
- 3) Push the image to an Azure container registry
- 4) Distribute a docker run script

   upvoted 1 times

✉  **dev2dev** 4 months ago

Pulling container has to be first step. Otherwise the given options doesn't have enough steps to complete the task.

   upvoted 1 times

✉  **KingChuang** 4 months ago

on my exam (2023-01-16 Passed)

My Answer:

- 1.Pull the container image
- 2.Create a custom dockerfile
- 3.Push the image to container registry
- 4.Distrbute a custom docker run script

   upvoted 4 times

✉  **Canyu** 5 months, 4 weeks ago

It is more effective to refer to these two documents:

<https://learn.microsoft.com/en-us/azure/container-registry/container-registry-quickstart-task-cli>

<https://learn.microsoft.com/en-us/azure/cognitive-services/anomaly-detector/anomaly-detector-container-howto>

Getting the container image is essential.

   upvoted 1 times

✉  **halfway** 6 months, 2 weeks ago

1. Create a customer Dockerfile
2. Build the image
3. Push the image to ACR
4. Distribute a custom docker run script

   upvoted 4 times

✉  **ggww** 10 months, 3 weeks ago

1. create dockerfile
2. build the image
3. push image to acr
4. pull image

   upvoted 6 times

✉  **PHD_CHENG** 11 months, 2 weeks ago

was on exam 7 Jun 2022

   upvoted 3 times

✉  **JTWang** 12 months ago

The answer is correct. Pull the base image from ACR, then configure Dockerfile and rebuild image.

<https://docs.microsoft.com/en-us/azure/app-service/quickstart-custom-container?tabs=python&pivots=container-linux#create-and-build-image>

   upvoted 7 times

✉  **satisfk4u** 1 year ago

Was on exam on 03-May-2022

   upvoted 2 times

<https://learn.microsoft.com/en-us/azure/container-registry/container-registry-quickstart-task-cli>

<https://learn.microsoft.com/en-us/azure/cognitive-services/anomaly-detector/anomaly-detector-container-howto>

<https://docs.microsoft.com/en-us/azure/app-service/quickstart-custom-container?tabs=python&pivots=container-linux#create-and-build-image>

ET Answer:

Actions	Answer Area
Create a custom Dockerfile.	Pull the Anomaly Detector container image.
Pull the Anomaly Detector container image.	Create a custom Dockerfile.
Distribute a <code>docker run</code> script.	Push the image to an Azure container registry.
Push the image to an Azure container registry.	Distribute a <code>docker run</code> script.
Build the image.	
Push the image to Docker Hub.	

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>

Question 8

HOTSPOT -

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 URL 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.

Hot Area:

Answer Area

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

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

Eula=accept \

Billing=

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

ApiKey=xxxxxxxxxxxxxxxxxxxxxx

Answer:

Answer Area

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

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

Eula=accept \

Billing=

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

ApiKey=xxxxxxxxxxxxxxxxxxxxxx

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>

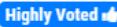
Box 2: <https://contoso.cognitiveservices.azure.com>

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

<https://docs.microsoft.com/en-us/azure/cognitive-services/text-analytics/how-tos/text-analytics-how-to-install-containers?tabs=sentiment>

<https://docs.microsoft.com/en-us/azure/cognitive-services/language-service/sentiment-opinion-mining/how-to/use-containers#run-the-container-with-docker-run>

<https://docs.microsoft.com/en-us/azure/cognitive-services/anomaly-detector/anomaly-detector-container-howto>

  **kolakone**  1 year, 11 months ago

Seems correct.

For first answer, you "pull the latest version of the Text Analytics

Sentiment Analysis container", hence the "sentiment" in the endpoint.

For billing, other options are other services, hence the provided answer.

   upvoted 19 times

  **AusAv**  10 months, 1 week ago

Example here: <https://docs.microsoft.com/en-us/azure/cognitive-services/language-service/sentiment-opinion-mining/how-to/use-containers#run-the-container-with-docker-run>

   upvoted 1 times

  **Eltooth** 10 months, 1 week ago

mcr/.../sentiment
contoso.cognitiveservices

   upvoted 1 times

  **Contactfornitish** 1 year, 4 months ago

Was on exam 02/01/2022

   upvoted 1 times

  **sumanshu** 1 year, 4 months ago

As per question, we have to do the sentiment analysis, So URL should be appended with /sentiment and in Billing we have to mention the provided URL , So given answer is correct

   upvoted 2 times

  **Phong0411** 1 year, 5 months ago

Was on exam 30/11/2021

   upvoted 1 times

  **Ravnit** 1 year, 5 months ago

Was on exam 27/11/2021

   upvoted 1 times

  **Satvik1992** 1 year, 10 months ago

this question appeared in the exam

   upvoted 2 times

  **motu** 1 year, 11 months ago

<https://docs.microsoft.com/en-us/azure/cognitive-services/anomaly-detector/anomaly-detector-container-howto>

   upvoted 1 times

Question 9

You have the following C# method for creating Azure Cognitive Services resources programmatically.

```
static void create_resource(CognitiveServicesManagementClient client, string
resource_name, string kind, string account_tier, string location)
{
    CognitiveServicesAccount parameters =
        new CognitiveServicesAccount(null, null, kind, location, resource_name,
new CognitiveServicesAccountProperties(), new Sku(account_tier));
    var result = client.Accounts.Create(resource_group_name, account_tier,
parameters);
}
```

You need to call the method to create a free Azure resource in the West US Azure region.

The resource will be used to generate captions of images automatically.

Which code should you use?

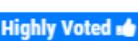
- A. create_resource(client, "res1", "ComputerVision", "F0", "westus")
- B. create_resource(client, "res1", "CustomVision.Prediction", "F0", "westus")
- C. create_resource(client, "res1", "ComputerVision", "S0", "westus")
- D. create_resource(client, "res1", "CustomVision.Prediction", "S0", "westus")

ET User:

A (63%) **B (38%)**

<https://azure.microsoft.com/en-gb/pricing/details/cognitive-services/computer-vision/>

<https://github.com/Azure-Samples/cognitive-services-dotnet-sdk-samples/blob/master/CustomVision/ImageClassification/Program.cs>

  **dinesh_tng**  1 year, 9 months ago

Answer shall be A, as there is free tier available for Computer Vision service.

- Free - Web/Container
- 20 per minute
- 5,000 free transactions per month

   upvoted 38 times

  **Rob77** 3 weeks ago

"Caption" is in preview and seems to be S3 tier so not free - see this

<https://azure.microsoft.com/en-gb/pricing/details/cognitive-services/computer-vision/>

   upvoted 1 times

  **sumanshu** 1 year, 4 months ago

But what Feature ? It's not mention in Pricing Tier. It could be normal Computer Vision i.e. Boundary detection etc

   upvoted 1 times

✉  **durak** 1 year, 6 months ago

Why not c?

   upvoted 1 times

✉  **Messatsu** 1 year, 9 months ago

Agree. <https://azure.microsoft.com/en-us/pricing/details/cognitive-services/computer-vision/>

   upvoted 1 times

✉  **mrafar** **Most Recent** 1 month ago

You should use the following code:

A. `create_resource(client, "res1", "ComputerVision", "F0", "westus")`

This code creates a free ("F0" tier) Azure Cognitive Services resource for Computer Vision in the West US Azure region. The resource will be used to generate captions of images automatically, which is a feature of the Computer Vision API.

   upvoted 1 times

✉  **KingChuang** 4 months ago

on my exam (2023-01-16 Passed)

My Answer:A

   upvoted 4 times

✉  **Luwatz** 5 months, 2 weeks ago

Selected Answer: B

There is free tier for custom while no free tier for computerVision

   upvoted 1 times

✉  **felixwcf** 9 months, 3 weeks ago

Selected Answer: A

A is correct.

   upvoted 1 times

✉  **Yazn** 10 months, 1 week ago

I'm 100% sure the answer is A. Computer vision has free tier offering generating image captions (I have tried it), and the customer vision doesn't directly support generate captions on the image but returns some info about the given image specifically in the object detection part, under a very specific condition that you have pretrained the model on your own images which is not stated in the question.

   upvoted 3 times

✉  **Eltooth** 10 months, 1 week ago

Selected Answer: A

A is correct answer.

F0 tier is available on both Computer and CustomVision.

   upvoted 2 times

✉  **fux** 10 months, 2 weeks ago

Selected Answer: A

I think A makes more sense

   upvoted 2 times

✉  **its_Kumar** 10 months, 2 weeks ago

Selected Answer: B

The question is talking about "free service" and "generate captions", so answer should be B, because F0 pricing tier is for free services and generating image captions means it will be some kind of prediction service

   upvoted 1 times

✉  **mohamedba** 10 months, 4 weeks ago

Selected Answer: A

Answer is A

   upvoted 2 times

✉  **dinhhungitsoft** 1 year ago

I tried creating a free ComputerVision resource and successfully did image captioning, the answer should be A.

   upvoted 4 times

✉  **ghoppa** 1 year, 1 month ago

Answer is A.

Forget the pricing tiers, that's only to guide you towards F0 and not S0. So C and D are excluded.

Only ComputerVision allows you to generate descriptions. Custom vision is used to build custom models for image classification and other basic stuff, not complex tasks like description generation.

   upvoted 3 times

✉  **reachmymind** 1 year, 2 months ago

Selected Answer: B

B. `create_resource(client, "res1", "CustomVision.Prediction", "F0", "westus")`

`Microsoft.Azure.CognitiveServices.Vision.CustomVision.Prediction`

<https://github.com/Azure-Samples/cognitive-services-dotnet-sdk-samples/blob/master/CustomVision/ImageClassification/Program.cs>

   upvoted 2 times

✉  **kimkimkimkimkim** 1 year, 3 months ago

Selected Answer: B

Captions (Describe) is not included in the free tier of computer vision. So the answer must be Custom Vision (B).

Reference: <https://azure.microsoft.com/en-us/pricing/details/cognitive-services/computer-vision/>

   upvoted 2 times

✉  **Yazn** 10 months, 1 week ago

No! All features are included in the free tier, but they all are bounded to max 5,000 transactions free per month unlike the other tiers where specific features has specific skus

   upvoted 1 times

✉  **TamHas** 1 year, 3 months ago

correct

   upvoted 1 times

✉  **sumanshu** 1 year, 4 months ago

C & D - Looks Wrong (Because both are not FREE TIER) and in question is explicitly mention, we have to use FREE TIER.

So, remaining options are A & B.

There is a FREE TIER for computer vision - but that FREE TIER will not perform caption image part.

So, Customer Vision prediction will predict / guess / generate the caption of the image.

Vote for B

   upvoted 4 times

□  **sumanshu** 1 year, 4 months ago

if FREE TIER (Though what features are FREE it's not mention in document) - But if It do caption then, Go for A....But as of Now, Vote for B

   upvoted 1 times

□  **sherrynsfw** 1 year, 5 months ago

Selected Answer: A

Answer is A.

   upvoted 3 times

□  **Phong0411** 1 year, 5 months ago

Was on exam but slightly modified 30/11/2021

   upvoted 1 times

□  **Rodcr1** 1 year, 6 months ago

This question came in the exam today

   upvoted 1 times

□  **mikegsm** 1 year, 6 months ago

SEEMS TO BE A

   upvoted 2 times

□  **codeheals** 1 year, 9 months ago

The answer should be A.

   upvoted 3 times

□  **methodidacte** 1 year, 9 months ago

Custom Vision can't generate captions (only classification or object detection, according to fiddie14)

   upvoted 3 times

□  **methodidacte** 1 year, 9 months ago

Wrong answer, there is a free tier for Computer Vision, so answer B.

   upvoted 1 times

□  **Esther_gy** 1 year, 9 months ago

B is custom vision

   upvoted 3 times

□  **fiddie14** 1 year, 10 months ago

C - Custom Vision is for classification. Image descriptions come from Computer Vision. And there's not F0 tier for Computer Vision, then C - Computer Vision with S0 tier.

   upvoted 4 times

□  **Francesco1985** 1 year, 10 months ago

correct

   upvoted 1 times

ET Answer: B

Many of the Cognitive Services have a free tier you can use to try the service. To use the free tier, use F0 as the SKU for your resource.

There are two tiers of keys for the Custom Vision service. You can sign up for a F0 (free) or S0 (standard) subscription through the Azure portal.

Incorrect Answers:

A: There is no free tier (F0) for ComputerVision.

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/cognitive-services-apis-create-account-client-library?pivots=programming-language-csharp>

<https://docs.microsoft.com/en-us/azure/cognitive-services/custom-vision-service/limits-and-quotas>

Question 10

You successfully run the following HTTP request.

```
POST https://management.azure.com/subscriptions/18c51a87-3a69-47a8-aedc-a54745f708a1/resourceGroups/RG1/providers/Microsoft.CognitiveServices/accounts/contoso1/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. (注考试时的选项是 was created)

ET User:

D (90%)

10%

<https://management.azure.com/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.Search/searchServices/{searchServiceName}/createQueryKey/{name}?api-version=2021-04-01-preview>
<https://docs.microsoft.com/en-us/rest/api/searchmanagement/2021-04-01-preview/query-keys/create>
<https://docs.microsoft.com/en-us/rest/api/cognitiveservices/accountmanagement/accounts/regenerate-key>

✉  **LKLK10** Highly Voted  1 year, 11 months ago

I'd've thought it's D?

   upvoted 31 times

✉  **ziizai** 1 year, 8 months ago

B is wrong. Query key is for search service. The Rest request of create query key is like
POST

<https://management.azure.com/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.Search/searchServices/{searchServiceName}/createQueryKey/{name}?api-version=2021-04-01-preview>

See in <https://docs.microsoft.com/en-us/rest/api/searchmanagement/2021-04-01-preview/query-keys/create>

   upvoted 7 times

✉  **ninja** 9 months ago

It's D. In the exam on 8/24/2022. The wording is more precise:
The new secondary subscription key was created.

   upvoted 6 times

⊕  **sumanshu** 1 year, 4 months ago

What is mean by "Reset" ? I think RESET generally means, not re-generating the new-keys, but resetting to previous version probably ? (just guessing by the term reset). I don;t think D is correct here.

   upvoted 1 times

⊕  **Pyguy** 5 months, 2 weeks ago

There is no option a key to resetting a previous version , like you say. Reset = Regenerate same in API keys..

   upvoted 1 times

⊕  **ovokpus** 1 year, 6 months ago

Yes,D is the answer

   upvoted 4 times

⊕  **LPreethi**  1 year, 10 months ago

Answer is correct - Sample response will be,

```
{  
  "key1": "KEY1",  
  "key2": "KEY2"  
}
```

This shows, Key1 is already there and this JSON request will generate Key2.

   upvoted 11 times

⊕  **ghoppa** 1 year, 1 month ago

Key2 has always been there. They are automatically created by default when you create a resource. You cannot delete them or add new ones, you can only regenerate/refresh them (poorly worded here as RESET). Still, correct answer is D in my opinion.

   upvoted 3 times

⊕  **ExamTopicsFan**  1 month, 1 week ago

D

<https://learn.microsoft.com/en-us/rest/api/azureml/2022-10-01/online-endpoints/regenerate-keys?tabs=HTTP>

   upvoted 1 times

⊕  **snkr** 1 month, 3 weeks ago

Searched for this question in ChatGPT. The answer is option-C.

   upvoted 1 times

⊕  **RAN_L** 2 months, 1 week ago

Selected Answer: D

The result of the request would be that the secondary subscription key for the Azure Cognitive Services account named "contoso1" was reset, as specified by the "regenerateKey" operation in the URI and the "keyName" parameter in the request body.

Therefore, the correct answer is:

D. The secondary subscription key was reset.

   upvoted 1 times

⊕  **ap1234pa** 4 months ago

Selected Answer: D

D is correct

   upvoted 1 times

⊕  **Akki0120** 5 months ago

Sharing full dumps wapp on 9403778084

   upvoted 1 times

✉ migibos491 7 months, 1 week ago

Selected Answer: D

I think D is correct

upvoted 2 times

✉ Yazn 10 months, 1 week ago

Selected Answer: D

IT IS D! it is not a query key. It is a cognitive services subscription key since it lets you programmatically modify anything in your subscription.

upvoted 1 times

✉ Eltooth 10 months, 1 week ago

Selected Answer: D

D is correct answer.

upvoted 1 times

✉ mohamedba 11 months, 1 week ago

The secondary key has been rotated. Answer is D

upvoted 1 times

✉ sdokmak 11 months, 1 week ago

Selected Answer: D

'reset' is the closest to 'regenerate', you're not creating a new key here

upvoted 2 times

✉ Nil199399 12 months ago

Selected Answer: B

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

upvoted 2 times

✉ PHD_CHENG 1 year ago

D is correct. By default, you have Key1 and Key2. Question is to regenerate Key2, therefore, it is asking to "reset" the key for key2.

upvoted 1 times

✉ hendriktytgatpwc 1 year, 2 months ago

Selected Answer: D

regenerate the second key (vote D)

upvoted 2 times

✉ reachmymind 1 year, 2 months ago

Selected Answer: D

Regenerates the secondary account key for the specified Cognitive Services account.

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

upvoted 3 times

✉ TamHas 1 year, 3 months ago

The answer is A

upvoted 1 times

✉ TamHas 1 year, 3 months ago

D is not correct, when I think of "reset" it means to go back to an initial state. The question is asking about regenerating and not resetting.

upvoted 1 times

✉  **rliberoff** 1 year, 3 months ago

Selected Answer: D

It will regenerate the 2nd key.

   upvoted 2 times

✉  **Contactfornitish** 1 year, 4 months ago

Was on exam 02/01/2022

   upvoted 1 times

✉  **sumanshu** 1 year, 4 months ago

Vote for A, These are the "Cognitive Service Key" which is used to use any cognitive Service and regenerate API will regenerate the Key2 and keys always stored in KEY-VAULT. Vote for A

   upvoted 1 times

✉  **sherrynsfw** 1 year, 5 months ago

Selected Answer: D

It will regenerate the 2nd key.

   upvoted 4 times

✉  **dpinlaguna** 1 year, 5 months ago

Poorly worded question but I think it is B: <https://docs.microsoft.com/en-us/rest/api/cognitiveservices/accountmanagement/accounts/regenerate-key>

   upvoted 1 times

✉  **ashu789** 1 year, 5 months ago

was on exam 05/12/2021

   upvoted 1 times

✉  **Ravnit** 1 year, 5 months ago

Was on exam 27/11/2021

   upvoted 1 times

✉  **durak** 1 year, 6 months ago

Answer is 100% A. Regenerate means that the old key will not work anymore. Primary secondary both will can be regenerated depending upon request provided. SO c and d are obviously wrong.

Query key is wrong

   upvoted 4 times

✉  **mikegsm** 1 year, 6 months ago

SEEMS TO Be D

   upvoted 4 times

✉️  **PamJ** 1 year, 7 months ago

I believe the answer is D. According to the Microsoft skillpipe AI 102 documentation an account key is referred to as subscription key as well. Please see the below text from skillpipe.

Endpoints, Keys, and Locations

When you provision a cognitive service resource in your Azure subscription, you are defining an endpoint through which the service can be consumed by an application.

To consume the service through the endpoint, applications require the following information:

1) The endpoint URI.

2) A subscription key. Access to the endpoint is restricted based on a subscription key. Client applications must provide a valid key to consume the service. When you provision a cognitive services resource, two keys are created - applications can use either key. You can also regenerate the keys as required to control access to your resource.

2) The resource location.

   upvoted 2 times

✉️  **Derin_tade** 1 year, 8 months ago

<https://docs.microsoft.com/en-us/cli/azure/cognitiveservices/account/keys?view=azure-cli-latest>

From the link above the answer seems correct. scroll down to examples...

   upvoted 2 times

✉️  **Banye27** 1 year, 9 months ago

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

   upvoted 2 times

✉️  **methodidacte** 1 year, 9 months ago

Answer A specifies that the key will be (re)generated in Key Vault, which doesn't appear in the call. Confusing question...

   upvoted 2 times

✉️  **azurelearner666** 1 year, 10 months ago

What a crap question! it's confusing account keys which they are regenerating with the Subscription keys... those are account keys not "query keys"

The only matching option is "A. a key for cognitive services was generated"

But...

... it was RE-generated

the other options are even worse, "a query key was generated" (what this call does is regenerate an account key)

or c or d, they talk about "subscription keys", which there is nothing by that name.

Clearly the goal is to confuse, this question is as bad as it can be.

   upvoted 5 times

✉️  **YipingRuan** 1 year, 10 months ago

Yes Regenerates the specified "account key" for the specified Cognitive Services account.

   upvoted 1 times

✉️  **leo822** 1 year, 11 months ago

Body{"keyName": "Key2"} suppose means secondary key.

   upvoted 1 times

ET Answer: B

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

Syntax:

POST

`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>

Question 11

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.

NOTE: Each correct selection is worth one point.

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

Answer: ACF

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>

<https://docs.microsoft.com/en-gb/learn/modules/work-form-recognizer/3-get-started>

<https://docs.microsoft.com/en-us/azure/applied-ai-services/form-recognizer/service-limits?tabs=v21>

Eltooth **Highly Voted** 10 months, 1 week ago

Selected Answer: ACF

File 2 and 5 are excluded.

New service limits now goes up to 500MB so...

File 1, 3, and 6 are correct for "training the model", however if MSFT remove the word "training" from the question - be careful.

<https://docs.microsoft.com/en-gb/learn/modules/work-form-recognizer/3-get-started>
<https://docs.microsoft.com/en-us/azure/applied-ai-services/form-recognizer/service-limits?tabs=v21>

upvoted 7 times

RAN_L **Most Recent** 2 months, 1 week ago

Selected Answer: ACF

The supported file types for training a Form Recognizer model are PDF, PNG, and JPEG. Therefore, you can use only the files that have one of these formats for training the model. Based on the information provided, the files that can be used for training the model are:

- A. File1 (PDF)
- C. File3 (JPG)
- F. File6 (JPG)

Therefore, the correct answers are:

- A. File1
- C. File3
- F. File6

upvoted 1 times

AusAv 10 months, 1 week ago

It should allow all except the GIF and MP4 on the paid tier, free tier supports file up to 4MB:
<https://docs.microsoft.com/en-us/azure/applied-ai-services/form-recognizer/concept-read#input-requirements>

upvoted 2 times

Tickxit 7 months, 3 weeks ago

"For custom model training, the total size of training data is 50 MB for template model and 1G-MB for the neural model."

"The file size for analyzing documents must be less than 500 MB for paid (S0) tier and 4 MB for free (F0) tier." -> But question talks about training the model, so I think the 50MB applies, File 4 can't be used.

upvoted 1 times

DingDongSingSong 1 year ago

Supported file formats: JPEG/JPG, PNG, BMP, TIFF, and PDF (text-embedded or scanned). So there is more than 3 correct responses. PDF and JPG files (2 each, therefore 4 possible responses even though question asks for 3)

upvoted 3 times

fux 10 months, 2 weeks ago

The PDF must be capped at 50mb, so in reality, there are only 3 answers

upvoted 5 times

ovtchinnikov 1 year ago

1 & 3 correct.

But GIFs are also allowed, if I remember right.

upvoted 1 times

Question 12

A customer uses Azure Cognitive Search.

The customer plans to enable a server-side encryption and use customer-managed keys (CMK) stored in Azure.

What are three implications of the planned change? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. The index size will increase.
- B. Query times will increase.
- C. A self-signed X.509 certificate is required.
- D. The index size will decrease.
- E. Query times will decrease.
- F. Azure Key Vault is required.

ET User:


<https://docs.microsoft.com/en-us/azure/search/search-security-overview#data-protection>
<https://learn.microsoft.com/en-us/azure/search/search-security-overview#:~:text=Customer%2Dmanaged%20keys%20require%20an,in%20Azure%20Cognitive%20Search>
<https://docs.microsoft.com/en-us/azure/search/search-security-manage-encryption-keys?tabs=portal-pp%2Cmanaged-id-sys>
<https://docs.microsoft.com/en-us/azure/search/search-security-overview#customer-managed-keys-cmk>

  **methodidacte**  1 year, 9 months ago

Should be ABF (use AKV for customer managed key)

   upvoted 36 times

  **SuperPetey** 1 year, 9 months ago

correct : "Customer-managed keys require an additional billable service, Azure Key Vault, which can be in a different region, but under the same subscription, as Azure Cognitive Search. Enabling CMK encryption will increase index size and degrade query performance."

same document also lists Azure Key Vault as a requirement:

<https://docs.microsoft.com/en-us/azure/search/search-security-overview#data-protection>

   upvoted 6 times

✉  **TanujitRoy** 1 year, 6 months ago

Bhai tame bahut katha kahucha....tame ki gangadhara

   upvoted 2 times

✉  **adarshsahoo** 1 year, 6 months ago

Na mu hauchi Lionel Toppo

   upvoted 1 times

✉  **RemcoGoy** **Most Recent** 4 days, 19 hours ago

Selected Answer: ABF

ABF looks right, B and E are contradicting

   upvoted 1 times

✉  **ap1234pa** 4 months ago

Selected Answer: ABF

ABF is the answer

   upvoted 1 times

✉  **Luwatz** 5 months, 2 weeks ago

It should be ABF in my own opinion,

See here for reference: <https://learn.microsoft.com/en-us/azure/search/search-security-overview#:~:text=Customer%2Dmanaged%20keys%20require%20an,in%20Azure%20Cognitive%20Search>.

   upvoted 3 times

✉  **Tanmay1178** 5 months, 4 weeks ago

Answer should be ABF

   upvoted 1 times

✉  **radityoardi** 9 months ago

Selected Answer: ABF

B and E clearly contradicts each other.

   upvoted 1 times

✉  **Etooth** 10 months, 1 week ago

Selected Answer: ABF

A, B and F are correct answers.

<https://docs.microsoft.com/en-us/azure/search/search-security-manage-encryption-keys?tabs=portal-pp%2Cmanaged-id-sys>

   upvoted 2 times

✉  **2ez4Zane** 1 year, 1 month ago

Selected Answer: ABF

ABF should be the answer

   upvoted 3 times

✉  **satzweb** 1 year, 2 months ago

Selected Answer: ABF

ABF is the right choice

   upvoted 4 times

✉  **reachmymind** 1 year, 2 months ago

A. The index size will increase.

B. Query times will increase.

F. Azure Key Vault is required

<https://docs.microsoft.com/en-us/azure/search/search-security-overview#customer-managed-keys-cmk>

Customer-managed keys (CMK)

Customer-managed keys require an additional billable service, Azure Key Vault, which can be in a different region, but under the same subscription, as Azure Cognitive Search.

Enabling CMK encryption will increase index size and degrade query performance. Based on observations to date, you can expect to see an increase of 30%-60% in query times, although actual performance will vary depending on the index definition and types of queries. Because of this performance impact, we recommend that you only enable this feature on indexes that really require it.

   upvoted 3 times

✉️  **TamHas** 1 year, 3 months ago

Selected Answer: ABF

Customer-managed keys (CMK)

Customer-managed keys require an additional billable service, Azure Key Vault, which can be in a different region, but under the same subscription, as Azure Cognitive Search.

Enabling CMK encryption will increase index size and degrade query performance. Based on observations to date, you can expect to see an increase of 30%-60% in query times, although actual performance will vary depending on the index definition and types of queries. Because of this performance impact, we recommend that you only enable this feature on indexes that really require it.

   upvoted 2 times

✉️  **TamHas** 1 year, 3 months ago

ABF are the correct answers

Customer-managed keys (CMK)

Customer-managed keys require an additional billable service, Azure Key Vault, which can be in a different region, but under the same subscription, as Azure Cognitive Search.

Enabling CMK encryption will increase index size and degrade query performance. Based on observations to date, you can expect to see an increase of 30%-60% in query times, although actual performance will vary depending on the index definition and types of queries. Because of this performance impact, we recommend that you only enable this feature on indexes that really require it.

   upvoted 1 times

✉️  **Contactfornitish** 1 year, 4 months ago

Was on exam 02/01/2022

   upvoted 1 times

✉️  **sumanshu** 1 year, 4 months ago

Vote for A/B/F

A - Index size increases

B - if Index size increases, Query time will increase (means low performance)

F - To store customer keys, we need to store azure key vault

   upvoted 2 times

✉️  **ashu789** 1 year, 5 months ago

was on exam 05/12/2021

   upvoted 1 times

✉️  **Phong0411** 1 year, 5 months ago

Was on exam 30/11/2021

   upvoted 1 times

✉️  **Ravnit** 1 year, 5 months ago

Was on exam 27/11/2021

   upvoted 1 times

✉️  **Ravnit** 1 year, 5 months ago

Selected Answer: ABF

Customer-managed keys require an additional billable service, Azure Key Vault, which can be in a different region, but under the same subscription, as Azure Cognitive Search. Enabling CMK encryption will increase index size and degrade query performance. Based on observations to date, you can expect to see an increase of 30%-60% in query times

   upvoted 3 times

✉️  **TanujitRoy** 1 year, 6 months ago

Selected Answer: ACF

Should be ACF

   upvoted 2 times

✉️  **mikegsm** 1 year, 6 months ago

Seems to be ABF

   upvoted 1 times

✉️  **rikku33** 1 year, 7 months ago

Enabling CMK encryption will increase index size and degrade query performance. Based on observations to date, you can expect to see an increase of 30%-60% in query times, SO ABF

   upvoted 2 times

✉️  **Sammylex01** 1 year, 8 months ago

The question is what is the implication of the planned change?

ABF should have been the correct answer, but the use of Azure Key Vault is a requirement and not a change implication.

ABE is the correct answer, looking at the question closely is it based on the change implication

   upvoted 1 times

✉️  **Adedoyin_Simeon** 1 year, 5 months ago

How can query time increase (B) and decrease (E) at the same time be an implication.
Those two are contradictions. The correct answer is ABF

   upvoted 2 times

✉️  **ebor5** 1 year, 8 months ago

ABF is the correct answer

   upvoted 2 times

✉️  **Ab_S** 1 year, 8 months ago

Correct answer is ABF. Azure Key Vault is required in case of customer managed Key.

   upvoted 2 times

✉️  **Banye27** 1 year, 9 months ago

Customer-managed keys (CMK)

Customer-managed keys require an additional billable service, Azure Key Vault, which can be in a different region, but under the same subscription, as Azure Cognitive Search.

Enabling CMK encryption will increase index size and degrade query performance. Based on observations to date, you can expect to see an increase of 30%-60% in query times, although actual performance will vary depending on the index definition and types of queries. Because of this performance impact, we recommend that you only enable this feature on indexes that really require it. For more information, see Configure customer-managed encryption keys in Azure Cognitive Search.

   upvoted 2 times

✉️  **dasha2701** 1 year, 9 months ago

The answer is AEF

   upvoted 2 times

ET Answer: ABE

Reference:

<https://docs.microsoft.com/en-us/azure/search/search-security-overview>

Question 13

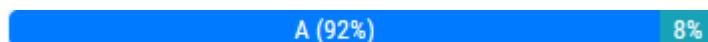
You are developing a new sales system that will process the video and text from a public-facing website.

You plan to notify users that their data has been processed by the sales system.

Which responsible AI principle does this help meet?

- A. transparency
- B. fairness
- C. inclusiveness
- D. reliability and safety

ET User:



✉️ **SuperPetey** 1 year, 9 months ago

The correct answer is A, transparency: "When an AI application relies on personal data, such as a facial recognition system that takes images of people to recognize them; you should make it clear to the user how their data is used and retained, and who has access to it." from: <https://docs.microsoft.com/en-us/learn/patterns/prepare-for-ai-engineering/>

upvoted 53 times

✉️ **ayoitu** 1 year, 8 months ago

"Transparency: AI systems should be understandable."
"Reliability and safety: AI systems should perform reliably and safely."
so the answer is correct, reliability and safety
<https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/strategy/responsible-ai>

upvoted 10 times

✉️ **TanujitRoy** 1 year, 6 months ago

Bhai mo ra net ta chalu ni asiki thk kari daba ki...sei azure ra gamucha tool ta nei asiba

upvoted 1 times

✉️ **marti_tremblay000** 2 months, 1 week ago

Selected Answer: A

ChatGPT answer :

The responsible AI principle that notifying users that their data has been processed by the sales system helps meet is A. transparency.

Transparency is the principle of making AI systems understandable and providing clear explanations of their decisions and actions. By notifying users that their data has been processed by the sales system, you are being transparent about the fact that their data is being used and how it is being used. This helps users understand how their data is being used and can help build trust between users and the sales system.

upvoted 1 times

ET Answer:

Answer: D

Reference:

<https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/strategy/responsible-ai>

Question 14

You plan to perform predictive maintenance.

You collect IoT sensor data from 100 industrial machines for a year. Each machine has 50 different sensors that generate data at one-minute intervals. In total, you have 5,000 time series datasets.

You need to identify unusual values in each time series to help predict machinery failures.

Which Azure service should you use?

- A. Anomaly Detector
- B. Cognitive Search
- C. Form Recognizer
- D. Custom Vision

Answer: A

<https://azure.microsoft.com/en-us/services/cognitive-services/anomaly-detector/>

✉  **josemiguelch** 1 month, 3 weeks ago

Azure Anomaly Detector is the recommended Azure service to use for this scenario.

   upvoted 1 times

✉  **KingChuang** 4 months ago

on my exam (2023-01-16 Passed)

My Answer:A

   upvoted 2 times

✉  **kml2003** 5 months ago

Selected Answer: A

Anomaly detection

   upvoted 2 times

✉  **Eltooth** 10 months, 1 week ago

Selected Answer: A

A is correct answer : Anomaly Detector.

   upvoted 1 times

✉  **happychuks** 10 months, 3 weeks ago

Selected Answer: A

<https://azure.microsoft.com/en-us/services/cognitive-services/anomaly-detector/>

   upvoted 2 times

✉  **satisfik4u** 1 year ago

Was on exam on 03-May-2022

   upvoted 1 times

Question 15

HOTSPOT -

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.

Hot Area:

Answer Area

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

Answer:

Answer Area

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

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/speech-service/how-to-use-codec-compressed-audio-input-streams?tabs=debian&pivots=programming-language-csharp>

<https://docs.microsoft.com/en-us/dotnet/api/microsoft.cognitiveservices.speech.audio.audiostreamformat.getcompressedformat?view=azure-dotnet>

https://docs.microsoft.com/en-us/dotnet/api/microsoft.cognitiveservices.speech.speechrecognizer.-ctor?view=azure-dotnet#Microsoft_CognitiveServices_Speech_SpeechRecognizer__ctor_Microsoft_CognitiveServices_Speech_SpeechConfig_Microsoft_CognitiveServices_Speech_Audio_AudioConfig_

✉  **htolajide**  1 year, 8 months ago

The answer is correct

   upvoted 11 times

✉  **MII1975** 1 year, 6 months ago

I agree

GetCompressedFormat

<https://docs.microsoft.com/en-us/dotnet/api/microsoft.cognitiveservices.speech.audio.audiostreamformat.getcompressedformat?view=azure-dotnet>

SpeechRecognizer

https://docs.microsoft.com/en-us/dotnet/api/microsoft.cognitiveservices.speech.speechrecognizer.-ctor?view=azure-dotnet#Microsoft_CognitiveServices_Speech_SpeechRecognizer__ctor_Microsoft_CognitiveServices_Speech_SpeechConfig_Microsoft_CognitiveServices_Speech_Audio_AudioConfig_

   upvoted 2 times

✉  **sumanshu**  1 year, 4 months ago

We need to convert Streaming MP3 Data.

So, option 1 is eliminated, as it's not a Audio Streaming function. rest 3 contains the keyword Stream.

But, default audio stream format is WAV, and here we are passing MP3, So other then WAV, we need to pass compressed audio format, So correct answer is :
AudioStreamFormat.GetCompressedFormat.

and we need to recognize the speech to convert into the text - so, Speech Recognizer.

   upvoted 5 times

✉  **DS_newb**  1 month, 2 weeks ago

It is no longer in exam

   upvoted 1 times

✉  **DS_newb** 1 month, 2 weeks ago

wait the respond should in face related question, why appear in here?

   upvoted 1 times

✉  **Eltooth** 10 months, 1 week ago

AudioStream.GetCompressedFormat (MP3 is compressed audio file)
SpeechRecognizer

   upvoted 2 times

Question 16

HOTSPOT -

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.

Hot Area:

Answer Area

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

Answer:

Answer Area

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

Reference:

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

- ✉ **htolajide** Highly Voted 1 year, 8 months ago

The answer is correct

   upvoted 13 times

- ✉ **Eltooth** Most Recent 10 months, 1 week ago

Face

Face

Speech

   upvoted 1 times

- ✉ **Coderhbt1** 1 year, 3 months ago

From Video feed - Face
Facial Expression from - Face
Audio Feed is - Speech

   upvoted 3 times

- ✉ **sumanshu** 1 year, 4 months ago

From Video feed - Face
Facial Expression from - Face
Audio Feed is - Speech

   upvoted 3 times

- ✉ **mikegsm** 1 year, 6 months ago

Correct

   upvoted 1 times

- ✉ **Adedoyin_Simeon** 1 year, 7 months ago

The answer is correct

   upvoted 2 times

- ✉ **RomanXXX** 1 year, 8 months ago

Seems ok

   upvoted 3 times

Question 17

You plan to provision a QnA Maker service in a new resource group named RG1.

In RG1, you create an App Service plan named AP1.

Which two Azure resources are automatically created in RG1 when you provision the QnA Maker service? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Language Understanding
- B. Azure SQL Database
- C. Azure Storage
- D. Azure Cognitive Search
- E. Azure App Service

Answer: DE

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/how-to/set-up-qnamaker-service-azure?tabs=v1#delete-azure-resources>

DE (67%)

CE (22%)

11%

✉️  **methodidacte**  1 year, 8 months ago

Right answer : at the creation, we have to precise Azure Search an Azure Web App details.
"When you create a QnAMaker resource, you host the data in your own Azure subscription.
Azure Search is used to index your data." & "When you create a QnAMaker resource, you host the runtime in your own Azure subscription. App Service is the compute engine that runs the QnA Maker queries for you."

   upvoted 11 times

✉️  **ghoppa**  1 year, 1 month ago

Another one to memorise. A quick trick:

Q sounds like a C, for Cognitive

n

A for App Service

   upvoted 6 times

✉️  **dev2dev** 4 months ago

lol then there is a risk of selecting A and C as answers :)

   upvoted 1 times

✉️  **EliteAllen** Most Recent 1 week, 5 days ago

Selected Answer: DE

When you provision the QnA Maker service, the following Azure resources are automatically created:

D. Azure Cognitive Search - Correct. Azure Cognitive Search is used to index the question and answer pairs and provide the underlying search capabilities for the QnA Maker service.

E. Azure App Service - Correct. QnA Maker creates an Azure App Service that hosts the QnA Maker runtime.

   upvoted 1 times

✉️  **Pffffff** 4 weeks, 1 day ago

Selected Answer: BE

chatgpt says so

   upvoted 1 times

✉️  **mgafar** 1 month ago

When you provision a QnA Maker service, the following two Azure resources are automatically created in the resource group:

B. Azure SQL Database

QnA Maker uses an Azure SQL Database to store the metadata and configuration data for the knowledge bases.

D. Azure Cognitive Search

QnA Maker leverages Azure Cognitive Search to index the knowledge bases and provide quick and efficient search capabilities for retrieving answers to user queries.

   upvoted 1 times

✉️  **RAN_L** 2 months, 1 week ago

Selected Answer: DE

D. Azure Cognitive Search - QnA Maker uses Azure Cognitive Search to enable full-text search of your knowledge base. It creates an Azure Cognitive Search instance in the same region as the QnA Maker service.

E. Azure App Service - QnA Maker requires an App Service plan to host the QnA Maker service. When you create a QnA Maker service, it creates an App Service plan with the same name as the QnA Maker service.

   upvoted 2 times

✉️  **s1cheng** 5 months ago

Selected Answer: DE

D & E is correct, <https://learn.microsoft.com/en-us/training/modules/build-qna-solution-qna-maker/4-create-knowledge-base>

   upvoted 1 times

✉️  **pra492** 5 months, 1 week ago

Selected Answer: DE

D and E are correct answer. When you create QnA resource, it asks you to select tier for Azure Cognitive Search and App service

   upvoted 1 times

✉ Pyguy 5 months, 2 weeks ago

Selected Answer: CE

Even QnA maker service is retired, the Correct Answers are C and E.. Your QnA maker doesn't necessarily have to be "Cognitive". Cognitive is AI enrichment capabilities. You can just make a stupid QnA of your company from a pdf of 100 questions and their answers. If you decide to make a BOT with your QnA and want to add some intelligence to your BOT then you may add Cognitive resources..

An App Service Plan and App Service are 2 different things.. Look at this photo :

<https://learn.microsoft.com/en-us/azure/cognitive-services/qnamaker/media/qnamaker-how-to-setup-service/resources-created.png>

You see there an App Service Created automatically.. And Be Careful There is NO "Cognitive Search Service" , There is a multi Cognitive Service in case you want your Bot intelligent , if you need only.

And There is a Search Service (again NOT the cognitive search).. Azure Cognitive Search Service is an Applied Service (a PaaS).. One more video : <https://youtu.be/jV-qePpB7-c?t=221>

upvoted 2 times

✉ Eltooth 10 months, 1 week ago

Selected Answer: DE

D and E are correct answer.

QnA Maker service is being retired on 31st March, 2025. A newer version of this capability is now available as a part of Azure Cognitive Service for Language called question answering. To use this service, you need to provision a Language resource. For question answering capability within the Language service, see question answering and its pricing page. Beginning 1st October, 2022, you won't be able to create any new QnA Maker resources. For information on migrating your existing QnA Maker knowledge bases to question answering, consult the migration guide.

upvoted 1 times

✉ SherazM 1 year, 2 months ago

The answer is correct. I verified it in the Azure portal

upvoted 1 times

✉ sumanshu 1 year, 4 months ago

App Service Plan and App Service there are 2 different things.

Azure Cognitive Search - To search the indexes , where it search the Knowledge database.
Azure App Service .

upvoted 1 times

✉ Adedoyin_Simeon 1 year, 7 months ago

The answer is correct. Refer to the link provided for proper understanding.

upvoted 3 times

✉ ziiizai 1 year, 8 months ago

There is only an app service PLAN created, not app service. Ans is correct.

upvoted 4 times

✉ weasel97 1 year, 8 months ago

Appservice already exists. That shouldn't be a correct answer.

upvoted 3 times

✉ sumanshu 1 year, 4 months ago

When we create a Q&A Service, on UI page, it asks 'App Name field" i.e. enter a name for your Azure App Service instance (Unique Name). App Service Plan and App Service there are 2 different things. <https://azure-training.com/2018/12/27/understanding-app-services-app-service-plan-and-ase/>

upvoted 2 times

Question 18

You are building a language model by using a Language Understanding (classic) service.

You create a new Language Understanding (classic) resource.

You need to add more contributors.

What should you use?

- A. a conditional access policy in Azure Active Directory (Azure AD)
- B. the Access control (IAM) page for the authoring resources in the Azure portal
- C. the Access control (IAM) page for the prediction resources in the Azure portal

Answer: B

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-how-to-collaborate>

✉️  RAN_L 2 months, 1 week ago

Selected Answer: B

B. the Access control (IAM) page for the authoring resources in the Azure portal is the correct option to add more contributors to a Language Understanding (classic) resource. IAM (Identity and Access Management) in Azure allows you to manage access to your Azure resources by assigning roles to users, groups, and applications. By using the Access control (IAM) page for the authoring resources in the Azure portal, you can add new users or groups to your Language Understanding (classic) resource and grant them the necessary permissions to edit and publish your language model.

   upvoted 1 times

✉️  KingChuang 4 months ago

on my exam (2023-01-16 Passed)

My Answer:B

   upvoted 3 times

✉️  ArchMelody 6 months, 2 weeks ago

Selected Answer: B

Correct Answer, indeed!

   upvoted 3 times

Question 19

DRAG DROP -

You need to develop an automated call handling system that can respond to callers in their own language. The system will support only French and English.

Which Azure Cognitive Services service should you use to meet each requirement? To answer, drag the appropriate services to the correct requirements. 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.

Select and Place:

Services	Answer Area
Speaker Recognition	
Speech to Text	Detect the incoming language:
Text Analytics	
Text to Speech	Respond in the callers' own language:
Translator	

ET User: 有争议

Speech to Text

Text to Speech or Translator

<https://docs.microsoft.com/en-us/azure/cognitive-services/speech-service/speech-to-text>

<https://docs.microsoft.com/en-us/azure/cognitive-services/speech-service/text-to-speech>

<https://docs.microsoft.com/en-us/azure/cognitive-services/speech-service/language-support?tabs=speechtotext>

<https://azure.microsoft.com/fr-fr/products/cognitive-services/translator/#overview>

 **Khiem**  1 year ago

It should be:

- Speech to Text with AutoDetectSourceLanguageConfig. It can't be Text Analytics because the input is callers' voice.
- Text to Speech: the output is voice.

   upvoted 33 times

✉  **Eltooth**  10 months, 1 week ago

Speech-to-Text : <https://docs.microsoft.com/en-us/azure/cognitive-services/speech-service/speech-to-text>

Text-to-Speech : <https://docs.microsoft.com/en-us/azure/cognitive-services/speech-service/text-to-speech>

Both support common languages, including French.

<https://docs.microsoft.com/en-us/azure/cognitive-services/speech-service/language-support?tabs=speechtotext>

   upvoted 10 times

✉  **Mike19D**  1 month, 1 week ago

Speech to Text

Translator

   upvoted 1 times

✉  **Anichebe** 1 month, 2 weeks ago

From ChatGPT:

To develop an automated call handling system that can respond to callers in their own language, you can use the following Azure Cognitive Services:

Speech-to-Text: This service can transcribe speech into text, which can then be analyzed to determine the language being spoken.

Text Translation: This service can translate text from one language to another.

Using these services together, you can create a system that can transcribe a caller's speech, detect their language, and then translate the transcript into the appropriate language for a response.

   upvoted 2 times

✉  **AdarshKumarKhare** 6 months, 2 weeks ago

But caller is calling not writing text. So, audio should recognize the language not Text Analysis

   upvoted 1 times

✉  **mathonno** 6 months, 4 weeks ago

<https://azure.microsoft.com/fr-fr/products/cognitive-services/translator/#overview>
translator and translator

   upvoted 1 times

✉  **Ajose0** 9 months, 3 weeks ago

Translator is an AI service for real-time document and text translation

<https://azure.microsoft.com/en-us/services/cognitive-services/translator/#overview>

   upvoted 1 times

✉  **Ajose0** 9 months, 3 weeks ago

A. Speech-to-text

You use Speech-to-text recognition when you need to identify the language in an audio source and then transcribe it to text.

<https://docs.microsoft.com/en-us/azure/cognitive-services/speech-service/language-identification?tabs=once&pivots=programming-language-csharp#speech-to-text>

B. Text to Speech

   upvoted 2 times

 **boofin** 11 months, 1 week ago

I believe it should be:

Text Analyzer

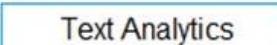
Text to Speech

The process being:

- 1) convert speech to text
- 2) recognize the language (Text Analyzer)
- 3) translate text with language from step 2
- 4) speak translated text (text to speech)

   upvoted 4 times

ET Answer:

Services	Answer Area
Speaker Recognition	
Speech to Text	Detect the incoming language:
Text Analytics	 Text Analytics
Text to Speech	Respond in the callers' own language:
Translator	 Translator

Box 1: Text Analytics -

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.

Incorrect Answers:

Speaker Recognition which accurately verifies and identifies speakers by their unique voice characteristics.

Box 2: Translator -

Translator is a cloud-based neural machine translation service that is part of the Azure Cognitive Services family of REST APIs. Translator can be used with any operating system and powers many Microsoft products and services used by thousands of businesses worldwide to perform language translation and other language-related operations.

Reference:

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

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

Question 20

You have receipts that are accessible from a URL.

You need to extract data from the receipts by using Form Recognizer and the SDK. The solution must use a prebuilt model.

Which client and method should you use?

- A. the FormRecognizerClient client and the StartRecognizeContentFromUri method
- B. the FormTrainingClient client and the StartRecognizeContentFromUri method
- C. the FormRecognizerClient client and the StartRecognizeReceiptsFromUri method
- D. the FormTrainingClient client and the StartRecognizeReceiptsFromUri method

ET User: C

✉  **2ez4Zane**  1 year ago

Should be C

```
private static async Task AnalyzeReceipt(  
    FormRecognizerClient recognizerClient, string receiptUri)  
{  
    RecognizedFormCollection receipts = await  
        recognizerClient.StartRecognizeReceiptsFromUri(new  
            Uri(receiptUrl)).WaitForCompletionAsync();
```

   upvoted 17 times

✉  **Anichebe**  1 month, 2 weeks ago

The correct answer is option C

   upvoted 1 times

✉  **RAN_L** 2 months, 1 week ago

Selected Answer: C

The StartRecognizeReceiptsFromUri method of the FormRecognizerClient client is used to extract data from receipts using a prebuilt model.

   upvoted 2 times

✉  **ap1234pa** 4 months ago

Selected Answer: C

C is correct

   upvoted 1 times

✉  **ap1234pa** 4 months, 1 week ago

Selected Answer: C

C is the answer

   upvoted 1 times

✉  **Pyguy** 5 months, 2 weeks ago

Selected Answer: C

prebuilt model = Nothing to do with "training" word

   upvoted 3 times

✉  **ArchMelody** 6 months, 2 weeks ago

Selected Answer: C

Obviously C, as you need to use a pre-built model, not train a new one...

   upvoted 4 times

✉  **nekkilodeon** 9 months, 1 week ago

Selected Answer: C

Prebuilt model

   upvoted 2 times

✉  **AiEngineerS** 10 months, 1 week ago

Selected Answer: C

Even explanation is about C

   upvoted 1 times

✉  **Eltooth** 10 months, 1 week ago

Selected Answer: C

C is correct answer.

   upvoted 2 times

✉  **sdokmak** 11 months ago

Selected Answer: C

answer is c

   upvoted 2 times

✉  **Moody_L** 11 months, 3 weeks ago

Selected Answer: C

use FormRecognizerClient for a prebuilt model

   upvoted 3 times

✉  **satishk4u** 1 year ago

Was on exam on 03-May-2022

   upvoted 1 times

✉  **kiassi1998** 1 year ago

C is the correct answer

   upvoted 4 times

ET Answer: D

To analyze receipts from a URL, use the StartRecognizeReceiptsFromUri method

Example code:

```
private static async Task AnalyzeReceipt(  
FormRecognizerClient recognizerClient, string receiptUri)  
{  
    RecognizedFormCollection receipts = await  
    recognizerClient.StartRecognizeReceiptsFromUri(new  
    Uri(receiptUrl)).WaitForCompletionAsync();
```

Reference:

<https://docs.microsoft.com/en-us/azure/applied-ai-services/form-recognizer/quickstarts/client-library>

Question 21

You have a collection of 50,000 scanned documents that contain text.

You plan to make the text available through Azure Cognitive Search.

You need to configure an enrichment pipeline to perform optical character recognition (OCR) and text analytics. The solution must minimize costs.

What should you attach to the skillset?

- A. a new Computer Vision resource
- B. a free (Limited enrichments) Cognitive Services resource
- C. an Azure Machine Learning Designer pipeline
- D. a new Cognitive Services resource that uses the S0 pricing tier

ET User:

D (76%) **A (24%)**

<https://learn.microsoft.com/en-us/azure/search/search-limits-quotas-capacity#indexer-limits>

<https://docs.microsoft.com/en-us/azure/architecture/solution-ideas/articles/cognitive-search-with-skillsets#azure-cognitive-search>

✉  **Rob77** 1 week, 6 days ago

D - free tier is limited to 10,000 documents

<https://learn.microsoft.com/en-us/azure/search/search-limits-quotas-capacity#indexer-limits>

   upvoted 1 times

✉  **dev2dev** 4 months ago

D is not possible because OCR requires s2 pricing tier and the options sys to use s0 so answer is A

   upvoted 2 times

✉  **marti_tremblay000** 2 months, 1 week ago

What about the text analytics part ? Computer Vision does not perform Text Analytics... You need a Language service to do so and therefore you must provision Cognitive Services as a whole to perform the 2 tasks.

   upvoted 1 times

✉  **ap1234pa** 4 months ago

Selected Answer: D

D is valid

   upvoted 1 times

✉  **ap1234pa** 4 months, 1 week ago

Selected Answer: D

We need to consider both the services..OCR and Text Analytics. So answer is D

   upvoted 2 times

✉  **Pyguy** 5 months, 2 weeks ago

Selected Answer: D

Question says : ... "You need to configure an enrichment pipeline to perform optical character recognition (OCR) and "text analytics"... Just because of this second requirement Answer is a Multi Cognitive Service (D), alone vision service (=OCR wont make any text analytics, text extraction is not a text analytics !).. Read here : <https://learn.microsoft.com/en-us/azure/search/cognitive-search-attach-cognitive-services?tabs=portal>

   upvoted 3 times

✉  **claps92** 4 months ago

i agree

   upvoted 1 times

✉  **GigaCaster** 7 months ago

Selected Answer: A

The reason it is A is most likely because it is the most cost-efficient method as the question wants us to minimize costs, and as with D it clearly says that it is within the S0 pricing tier.

   upvoted 2 times

✉  **Tickxit** 7 months, 2 weeks ago

Why not B? Is a free cognitive services resource not sufficient?

"There are no longer any document limits per service in Azure Cognitive Search"
<https://learn.microsoft.com/en-us/azure/search/search-limits-quotas-capacity>

   upvoted 3 times

✉  **STH** 8 months ago

Selected Answer: D

obviously D because of Text Analytics need

   upvoted 2 times

✉  **michasacuer** 8 months, 1 week ago

Selected Answer: D

If you want to use computer vision resource in search you need to build your own custom skill on skillset so. Cognitove services has built in OCR solution for search do D is the answer

   upvoted 1 times

✉  **practicewizards** 8 months, 2 weeks ago

Selected Answer: D

"Azure Computer Vision uses text recognition to extract and recognize text information from images"

"Azure Cognitive Service for Language extracts text information from unstructured documents by using text analytics capabilities like Named Entity Recognition (NER), key phrase extraction, and full-text search."

I would say D

   upvoted 1 times

✉  **nekkilodeon** 9 months, 1 week ago

Selected Answer: D

With only the Computer Vision there is no way to analyze text. Cognitive Services allows you to do both. Other options are not viable

   upvoted 3 times

✉  **chanchanbullbull** 9 months, 3 weeks ago

perform BOTH optical character recognition (OCR) and text analytics. why not D?

   upvoted 2 times

✉  **Eltooth** 10 months ago

Selected Answer: A

A is the only viable answer.

   upvoted 2 times

✉  **STH** 8 months ago

No, because the question ask a way to perform also Text Analytics, which cannot be handled by Computer Vision resource

   upvoted 1 times

✉  **JTWang** 1 year ago

Computer Vision API. Please refer to the below doc URL.

<https://docs.microsoft.com/en-us/azure/architecture/solution-ideas/articles/cognitive-search-with-skillsets#azure-cognitive-search>

   upvoted 2 times

ET Answer: A

The Computer Vision API uses text recognition APIs to extract and recognize text information from images. Read uses the latest recognition models, and is optimized for large, text-heavy documents and noisy images.

Reference:

<https://docs.microsoft.com/en-us/azure/architecture/solution-ideas/articles/cognitive-search-with-skillsets>

Question 22

You have a Language Understanding resource named lu1.

You build and deploy an Azure bot named bot1 that uses lu1.

You need to ensure that bot1 adheres to the Microsoft responsible AI principle of inclusiveness.

How should you extend bot1?

- A. Implement authentication for bot1.
- B. Enable active learning for lu1.
- C. Host lu1 in a container.
- D. Add Direct Line Speech to bot1.

Answer: D

Inclusiveness: AI systems should empower everyone and engage people.

Direct Line Speech is a robust, end-to-end solution for creating a flexible, extensible voice assistant. It is powered by the Bot Framework and its Direct Line Speech channel, that is optimized for voice-in, voice-out interaction with bots.

Incorrect:

Not B: The Active learning suggestions feature allows you to improve the quality of your knowledge base by suggesting alternative questions, based on user-submissions, to your question and answer pair. You review those suggestions, either adding them to existing questions or rejecting them.

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/speech-service/direct-line-speech>

<https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/how-to/use-active-learning>

✉️  **RamonKaus**  10 months ago

Selected Answer: D

I disagree with JT Wang because Direct Line Speech lets the bot speak out loud. This supports Microsoft's goal of AI Inclusiveness because you can include people with disabilities.

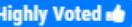
   upvoted 13 times

✉️  **ninja** 9 months ago

Agreed the answer should be D, which would help people who don't text.

Active learning would improve the overall quality, but not necessarily make it more inclusive.

   upvoted 2 times

✉  **JTWang**  1 year ago

Answer is B: user can participate in the content of QnA knowledge base
<https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/how-to/use-active-learning>

The Active learning suggestions feature allows you to improve the quality of your knowledge base by suggesting alternative questions, based on user-submissions, to your question and answer pair. You review those suggestions, either adding them to existing questions or rejecting them.

   upvoted 9 times

✉  **RAN_L**  2 months, 1 week ago

Selected Answer: D

Enabling Direct Line Speech for bot1 would improve accessibility by providing users with the ability to interact with the bot using natural language and speech. Therefore, D is a valid option to ensure that bot1 adheres to the Microsoft responsible AI principle of inclusiveness.

   upvoted 1 times

✉  **Shaka711** 6 months, 1 week ago

Selected Answer: D

Direct line speech enables the bots to speak

   upvoted 1 times

✉  **steeee** 8 months ago

Answer is definitely D, other answers not make sense.

   upvoted 1 times

✉  **Eltooth** 10 months ago

Selected Answer: B

B is correct answer.

   upvoted 1 times

✉  **STH** 8 months, 1 week ago

No, because even if enabling active learning could improve the bot answers over time with more accurate understanding of questions... it does not help people that are not able to use a textual bot.

Question is about how to include larger audience, like blind users or others, not how to improve bot quality

so D is the right one

   upvoted 2 times

✉  **sdokmak** 11 months, 1 week ago

Selected Answer: B

from JTWang's comment

   upvoted 1 times

Question 23

HOTSPOT -

You are building an app that will process incoming email and direct messages to either French or English language support teams.

Which Azure Cognitive Services API should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

<https://>

api.cognitive.microsofttranslator.com
eastus.api.cognitive.microsoft.com
portal.azure.com

[/text/analytics/v3.1/entities/recognition/general](https://text/analytics/v3.1/entities/recognition/general)
[/text/analytics/v3.1/languages](https://text/analytics/v3.1/languages)
[/translator/text/v3.0/translate?to=en](https://translator/text/v3.0/translate?to=en)
[/translator/text/v3.0/translate?to=fr](https://translator/text/v3.0/translate?to=fr)

ET User:

Box1: <https://eastus.api.cognitive.microsoft.com>

Box2: </text/analytics/v3.1/languages>

<https://learn.microsoft.com/en-us/rest/api/cognitiveservices-textanalytics/3.0/languages/languages?tabs=HTTP>

mk1967 8 months, 2 weeks ago

We only need to detect the language, so the Language Cognitive Service could be used, i.e.:
POST {Endpoint}/text/analytics/v3.0/languages
where Endpoint could be for example "westus"
<https://docs.microsoft.com/en-us/rest/api/cognitiveservices-textanalytics/3.0/languages/languages?tabs=HTTP>

upvoted 7 times

Adedoyin_Simeon 4 months, 3 weeks ago

The answer is wrong.

Correct answer should be:

Box1:

<https://eastus.api.cognitive.microsoft.com>

Box2:

</text/analytics/v3.1/languages>

REF:

<https://learn.microsoft.com/en-us/rest/api/cognitiveservices-textanalytics/3.0/languages/languages?tabs=HTTP>.

NOTE:

Pay special attention to the Sample Request provided. Request to the API should be of the form:

POST {Endpoint}/text/analytics/v3.0/languages

Where the {Endpoint} as stated under the sub-heading "URI Parameters" was described as quoted here (see "Description" column of the table):

"Supported Cognitive Services endpoints (protocol and hostname, for example: <https://westus.api.cognitive.microsoft.com>.)"

So the sample given shows the correct format of the *endpoint* as <https://{location}.api.cognitive.microsoft.com>

upvoted 6 times

✉️  **RAN_L**  2 months, 1 week ago

api.cognitive.microsofttranslator.com
eastus.api.cognitive.microsoft.com
portal.azure.com

Out of these three options, only option 2 is a valid Azure Cognitive Services endpoint. The eastus.api.cognitive.microsoft.com endpoint is used for various Azure Cognitive Services, including the Text Analytics and Translator services.

Option 1, api.cognitive.microsofttranslator.com, is not a valid endpoint for Azure Cognitive Services. It appears to be a typo, as "cognitive" is misspelled.

Option 3, portal.azure.com, is the URL for the Azure portal, which is a web-based management interface for Azure services. It is not an endpoint for Azure Cognitive Services APIs.

./text/analytics/v3.1/languages

One of the APIs that you can use to process incoming email and direct messages to either French or English language support teams is the Text Analytics API. The specific API endpoint you can use is /text/analytics/v3.1/languages. This API can detect the language of a given text and return the ISO 639-1 language code. You can then use this information to route the message to the appropriate language support team.

   upvoted 2 times

✉️  **Nicoseal** 2 months, 2 weeks ago

mk1967 and Adedoyin_Simeon are correct

The correct answer should be:

Box1:

<https://eastus.api.cognitive.microsoft.com>

Box2:

/text/analytics/v3.1/languages

   upvoted 4 times

✉️  **Adedoyin_Simeon** 4 months, 3 weeks ago

The answer is wrong. Correct answer should be:

<https://eastus.api.cognitive.microsoft.com>

&

/text/analytics/v3.1/languages

REF:

<https://learn.microsoft.com/en-us/rest/api/cognitiveservices-textanalytics/3.0/languages/languages?tabs=HTTP>.

NOTE:

Pay special attention to the Sample Request provided. Request to the API should be of the form:

POST {Endpoint}/text/analytics/v3.0/languages

Where the {Endpoint} as stated under the sub-heading "URI Parameters" was described as quoted here (see "Description" column of the table):

"Supported Cognitive Services endpoints (protocol and hostname, for example: <https://westus.api.cognitive.microsoft.com>)."

So the sample given shows the correct format of the *endpoint* as <https://{location}.api.cognitive.microsoft.com>

   upvoted 2 times

✉  **Adedoyin_Simeon** 4 months, 3 weeks ago

The answer is wrong. Correct answer should be:

<https://eastus.api.cognitive.microsoft.com>

&

</text/analytics/v3.1/languages>

REF:

<https://learn.microsoft.com/en-us/rest/api/cognitiveservices-textanalytics/3.0/languages/languages?tabs=HTTP>.

NOTE:

Pay special attention to the Sample Request provided. Request to the API should be of the form:

POST {Endpoint}/text/analytics/v3.0/languages

Where the {Endpoint} as stated under the sub-heading "URI Parameters" was described as quoted here

"Supported Cognitive Services endpoints (protocol and hostname, for example:

<https://westus.api.cognitive.microsoft.com>.)"

So the sample given shows the correct format of the *endpoint* as
<https://{location}.api.cognitive.microsoft.com>

   upvoted 1 times

✉  **HotDurian** 5 months, 1 week ago

Answer is incorrect. Language Cognitive Service is sufficient.

<https://learn.microsoft.com/en-us/rest/api/cognitiveservices-textanalytics/3.0/languages/languages?tabs=HTTP>

   upvoted 1 times

✉  **steeee** 8 months ago

Agree with mk1967, It's no need to translate, only need to recognise the language. Should done by language but not translator service.

   upvoted 2 times

ET Answer:

Answer Area

<https://>

api.cognitive.microsofttranslator.com
eastus.api.cognitive.microsoft.com
portal.azure.com

/text/analytics/v3.1/entities/recognition/general
/text/analytics/v3.1/languages
/translator/text/v3.0/translate?to=en
/translator/text/v3.0/translate?to=fr

Box 1: api.cognitive.microsofttranslator.com is used for translations.

Incorrect:

eastus.api.cognitive.microsoft.com is used for Face recognition.

[Portal.azure.com](https://portal.azure.com) is the URL of the Azure portal which is a web-based, unified console that provides an alternative to command-line tools. With the Azure portal, you can manage your Azure subscription using a graphical user interface. You can build, manage, and monitor everything from simple web apps to complex cloud deployments.

Box 2: [/text/analytics/v3.1/entities/recognition/general](https://text/analytics/v3.1/entities/recognition/general)

Named Entity Recognition -

The API returns a list of general named entities in a given document.

Request URL: [https://\[endpoint\]/text/analytics/v3.1/entities/recognition/general\[?model-version\]\[&showStats\]\[&loggingOptOut\]\[&stringIndexType\]](https://[endpoint]/text/analytics/v3.1/entities/recognition/general[?model-version][&showStats][&loggingOptOut][&stringIndexType])

Reference:

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

<https://westcentralus.dev.cognitive.microsoft.com/docs/services/TextAnalytics-v3-1/operations/EntitiesRecognitionGeneral>

Question 24

You have an Azure Cognitive Search instance that indexes purchase orders by using Form Recognizer.

You need to analyze the extracted information by using Microsoft Power BI. The solution must minimize development effort.

What should you add to the indexer?

- A. a projection group
- B. a table projection
- C. a file projection
- D. an object projection

ET User:

B (82%) **D (18%)**

<https://learn.microsoft.com/en-us/azure/search/knowledge-store-projection-overview#consume-in-apps>

✉  **momentumhd**  8 months, 1 week ago

Selected Answer: B

Should be B . Its for Tables the Power BI

" Use Power BI for data exploration. This tool works best when the data is in Azure Table Storage. Within Power BI, you can manipulate data into new tables that are easier to query and analyze"

   upvoted 10 times

✉  **uira** 1 month, 2 weeks ago

You receive a JSON object, so ObjectProjection is the most appropriate way to explore: Objects: "Used when you need the full JSON representation of your data and enrichments in one JSON document. As with table projections, only valid JSON objects can be projected as objects, and shaping can help you do that."

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

   upvoted 1 times

✉  **EliteAllen**  1 week, 5 days ago

Selected Answer: B

B. a table projection - Correct. The table projection feature in Azure Cognitive Search allows you to flatten complex data structures into a format that can be easily indexed and queried. This is especially useful when you want to analyze the extracted information using Power BI, as Power BI works best with flattened data structures.

   upvoted 1 times

✉️  **Pfffff** 4 weeks, 1 day ago

Selected Answer: D

ChatGPT: Object projections are a better option than tables in this scenario because they minimize the amount of data that needs to be transferred from the search index to Power BI, reducing latency and improving performance. Additionally, object projections are simpler to set up and require less configuration than tables.

To add an object projection to your indexer, you can use the Azure Cognitive Search portal or the Azure Cognitive Search REST API. You will need to define a mapping that specifies which fields from the source document should be included in the object projection, and how they should be mapped to JSON properties.

   upvoted 1 times

✉️  **RAN_L** 2 months, 1 week ago

Selected Answer: B

To enable integration with Power BI, you should add a table projection to the indexer. This allows the data to be easily queried and visualized in Power BI.

A projection in Azure Cognitive Search is a way to specify the fields that should be included in the search index. A table projection specifies the columns of a table to be projected as fields in the search index.

By including a table projection in the indexer, you can extract the relevant data from the purchase orders and make it available for analysis in Power BI. This would minimize development effort, as Power BI has built-in integration with Azure Cognitive Search and can easily consume data from the search index.

Therefore, the correct answer is B. a table projection.

   upvoted 1 times

✉️  **marti_tremblay000** 2 months, 1 week ago

As per ChatGPT, the correct answer would be D for the JSON format :

To analyze the extracted information from Azure Cognitive Search by using Microsoft Power BI, you need to configure the indexer to output the data in a format that is compatible with Power BI.

To minimize development effort, you can add a custom skill to the indexing pipeline that transforms the extracted data into a format that can be easily consumed by Power BI, such as CSV or JSON.

   upvoted 1 times

✉️  **eth1** 3 months, 2 weeks ago

Selected Answer: B

From : <https://learn.microsoft.com/en-us/azure/search/knowledge-store-projection-overview#consume-in-apps>

"Use Power BI for data exploration. This tool works best when the data is in Azure Table Storage. Within Power BI, you can manipulate data into new tables that are easier to query and analyze."

   upvoted 1 times

✉️  **GigaCaster** 6 months, 4 weeks ago

Selected Answer: D

The question asks for minimal development effort, thus the answer will be D.

   upvoted 2 times

✉️  **CamJo** 7 months ago

Selected Answer: B

"Table projections are recommended for scenarios that call for data exploration, such as analysis with Power BI or workloads that consume data frames."

   upvoted 1 times

ET Answer: D

Projections are the physical tables, objects, and files in a knowledge store that accept content from a Cognitive Search AI enrichment pipeline. If you're creating a knowledge store, defining and shaping projections is most of the work.

Objects is used when you need the full JSON representation of your data and enrichments in one JSON document. As with table projections, only valid JSON objects can be projected as objects, and shaping can help you do that.

Note: Form Recognizer analyzes your forms and documents, extracts text and data, maps field relationships as key-value pairs, and returns a structured JSON output. You quickly get accurate results that are tailored to your specific content without excessive manual intervention or extensive data science expertise.

Incorrect:

Not Tables: Tables is used for data that's best represented as rows and columns, or whenever you need granular representations of your data (for example, as data frames).

Table projections allow you to define a schematized shape, using a Shaper skill or use inline shaping to specify columns and rows.

Not File: File is used when you need to save normalized, binary image files.

Reference:

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

Question 25

You have a factory that produces food products.

You need to build a monitoring solution for staff compliance with personal protective equipment (PPE) requirements. The solution must meet the following requirements:

- * Identify staff who have removed masks or safety glasses.
- * Perform a compliance check every 15 minutes.
- * Minimize development effort.
- * Minimize costs.

Which service should you use?

- A. Face
- B. Computer Vision
- C. Azure Video Analyzer for Media (formerly Video Indexer)

Answer: A

Face API is an AI service that analyzes faces in images.

Embed facial recognition into your apps for a seamless and highly secured user experience.

No machine-learning expertise is required. Features include face detection that perceives facial features and attributes—such as a face mask, glasses, or face location—in an image, and identification of a person by a match to your private repository or via photo ID.

Reference:

<https://azure.microsoft.com/en-us/services/cognitive-services/face/>

✉️  **Davard**  8 months ago

A. Face. The solution link explains:

Embed facial recognition into your apps for a seamless and highly secured user experience. No machine-learning expertise is required. Features include face detection that perceives facial features and attributes—such as a face mask, glasses, or face location—in an image, and identification of a person by a match to your private repository or via photo ID.

   upvoted 5 times

✉️  **KingChuang**  4 months ago

on my exam (2023-01-16 Passed)

My Answer:A

   upvoted 1 times

✉️  **Davard** 7 months, 2 weeks ago

Selected Answer: A

Face includes face masks, glasses, or face location

   upvoted 1 times

✉️  **momentumhd** 8 months, 1 week ago

I think Computer Vision for the Mask/Glasses detection.

   upvoted 3 times

Question 26

You have an Azure Cognitive Search solution and a collection of blog posts that include a category field.

You need to index the posts. The solution must meet the following requirements:

- * Include the category field in the search results.
- * Ensure that users can search for words in the category field.
- * Ensure that users can perform drill down filtering based on category.

Which index attributes should you configure for the category field?

- A. searchable, sortable, and retrievable
- B. searchable, facetable, and retrievable
- C. retrievable, filterable, and sortable
- D. retrievable, facetable, and key

ET User: B

<https://learn.microsoft.com/en-us/azure/search/search-get-started-dotnet>

<https://docs.microsoft.com/en-us/azure/search/search-faceted-navigation>

✉️  **Internal_Koala**  8 months, 2 weeks ago

Selected Answer: B

Vote for B

Retrievable: Include the category field in the search results.

Searchable: Ensure that users can search for words in the category field.

Facetable: Ensure that users can perform drill down filtering based on category.

   upvoted 13 times

✉️  **Sachz88**  1 month, 1 week ago

Chat GPT Response:

To meet the given requirements, you can configure the following index attributes for the "category" field in the Azure Cognitive Search solution:

"searchable": This attribute enables searching for words in the category field.

"filterable": This attribute enables filtering based on category.

"retrievable": This attribute ensures that the category field is included in the search results.

Therefore, the correct answer would be to configure the "searchable", "filterable", and "retrievable" attributes for the "category" field in the index schema of Azure Cognitive Search.

Hope it clarifies.

   upvoted 1 times

✉  **NNU** 3 months, 1 week ago

The answer is correct C

<https://learn.microsoft.com/en-us/azure/search/search-get-started-dotnet>

   upvoted 1 times

✉  **ap1234pa** 4 months ago

Selected Answer: B

Drill down so facetable

   upvoted 1 times

✉  **momentumhd** 8 months, 1 week ago

Selected Answer: B

I Agree, facetable is for drill

   upvoted 1 times

✉  **Sharks82** 8 months, 2 weeks ago

Selected Answer: B

<https://docs.microsoft.com/en-us/azure/search/search-faceted-navigation>

   upvoted 1 times

✉  **steeee** 8 months, 2 weeks ago

Selected Answer: B

Agree with Internal_Koala, Answer should be B.

I can't see any requirement related with Sortable here.

   upvoted 1 times

ET Answer: C

Fields have data types and attributes. The check boxes across the top are index attributes controlling how the field is used.

* Retrievable means that it shows up in search results list. You can mark individual fields as off limits for search results by clearing this checkbox, for example for fields used only in filter expressions.

* Filterable, Sortable, and Facetable determine whether fields are used in a filter, sort, or faceted navigation structure.

* Searchable means that a field is included in full text search. Strings are searchable.

Numeric fields and Boolean fields are often marked as not searchable.

Reference:

<https://docs.microsoft.com/en-us/azure/search/search-get-started-portal>

Question 27

You have an Azure IoT hub that receives sensor data from machinery.

You need to build an app that will perform the following actions:

- Perform anomaly detection across multiple correlated sensors.
- Identify the root cause of process stops.
- Send incident alerts.

The solution must minimize development time.

Which Azure service should you use?

- A. Azure Metrics Advisor
- B. Form Recognizer
- C. Azure Machine Learning
- D. Anomaly Detector

ET User: A

<https://learn.microsoft.com/en-us/azure/applied-ai-services/metrics-advisor/overview>

✉️  **RemcoGoy** 4 days, 20 hours ago

Selected Answer: A

Answer should indeed be A, I think.

<https://learn.microsoft.com/en-us/azure/applied-ai-services/metrics-advisor/overview> as mentioned in other comments has both 'Anomaly Detection' and 'Incident reporting'

   upvoted 1 times

✉️  **MaliSanFuu** 4 weeks, 1 day ago

Selected Answer: A

i agree with @Mike19D

minimal effort and root cause analysis:

<https://learn.microsoft.com/en-us/azure/applied-ai-services/metrics-advisor/overview>

   upvoted 2 times

✉️  **Mike19D** 1 month ago

The Answer is A

   upvoted 1 times

ET Answer: D

Question 28

You have an app that analyzes images by using the Computer Vision API. You need to configure the app to provide an output for users who are vision impaired. The solution must provide the output in complete sentences. Which API call should you perform?

- A. readInStreamAsync
- B. analyzeImagesByDomainInStreamAsync
- C. tagImageInStreamAsync
- D. describeImageInStreamAsync

Answer: D

 **RAN_L** 2 months, 1 week ago

Selected Answer: D

The API call you should perform to provide an output in complete sentences for users who are vision impaired is describeImageInStreamAsync.

The describe feature of the Computer Vision API generates a human-readable sentence to describe the contents of an image. This is particularly useful for accessibility purposes, as it allows visually impaired users to understand what is in an image without needing to see it. The describe feature can also be customized to provide additional details or context, if desired.

Therefore, the correct answer is D. describeImageInStreamAsync.

   upvoted 4 times

Question 29

DRAG DROP -

You have a Custom Vision service project that performs object detection. The project uses the General domain for classification and contains a trained model.

You need to export the model for use on a network that is disconnected from the internet. 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
Change the classification type.	
Export the model.	
Retrain the model.	
Change Domains to General (compact) .	
Create a new classification model.	 

Answer:

Answer Area

Change Domains to General (compact) .
Retrain the model.
Export the model.

<https://learn.microsoft.com/en-us/azure/cognitive-services/Custom-Vision-Service/export-your-model>

✉️  **jimbojambo** 2 months ago

The provided answer is correct. As reported here
<https://learn.microsoft.com/en-us/azure/cognitive-services/Custom-Vision-Service/export-your-model>
the model must be retrained after changing the domain to compact.

   upvoted 4 times

✉️  **RAN_L** 2 months, 1 week ago

This sequence of actions is not correct. Changing the domain to General (compact) before retraining the model may result in reduced accuracy and performance, as the model would not be optimized for the specific domain it is intended to be used in.

Therefore, the correct sequence of actions should start with retraining the model to optimize it for the intended use case, followed by changing the domain to General (compact) to create a more compact version of the model, and then exporting it for use on a disconnected network.

So the correct sequence is:

Retrain the model
Change Domains to General (compact)
Export the model

   upvoted 1 times

✉️  **Rob77** 2 weeks, 4 days ago

Unlikely.

1 - the model is already trained and 2 - after changing the domain you have to retrain the model see jimbo's link above...

   upvoted 1 times

Question 30

You are building an AI solution that will use Sentiment Analysis results from surveys to calculate bonuses for customer service staff.

You need to ensure that the solution meets the Microsoft responsible AI principles.

What should you do?

- A. Add a human review and approval step before making decisions that affect the staff's financial situation.
- B. Include the Sentiment Analysis results when surveys return a low confidence score.
- C. Use all the surveys, including surveys by customers who requested that their account be deleted and their data be removed.
- D. Publish the raw survey data to a central location and provide the staff with access to the location.

Answer: A

无评论

Question 31

You have an Azure subscription that contains a Language service resource named ta1 and a virtual network named vnet1.

You need to ensure that only resources in vnet1 can access ta1.

What should you configure?

- A. a network security group (NSG) for vnet1
- B. Azure Firewall for vnet1
- C. the virtual network settings for ta1
- D. a Language service container for ta1

Answer: C

<https://learn.microsoft.com/en-us/azure/cognitive-services/cognitive-services-virtual-networks?tabs=portal>

  **Rob77** 1 week, 6 days ago

Correct

<https://learn.microsoft.com/en-us/azure/cognitive-services/cognitive-services-virtual-networks?tabs=portal>

   upvoted 2 times

Question 32

You are developing a monitoring system that will analyze engine sensor data, such as rotation speed, angle, temperature, and pressure. The system must generate an alert in response to atypical values.

What should you include in the solution?

- A. Application Insights in Azure Monitor
- B. metric alerts in Azure Monitor
- C. Multivariate Anomaly Detection
- D. Univariate Anomaly Detection

Answer: C

<https://learn.microsoft.com/en-us/azure/cognitive-services/anomaly-detector/overview#multivariate-anomaly-detection>

 **mVic** 1 day, 14 hours ago

Selected Answer: C

The Multivariate Anomaly Detection APIs further enable developers by easily integrating advanced AI for detecting anomalies from groups of metrics, without the need for machine learning knowledge or labeled data.

<https://learn.microsoft.com/en-us/azure/cognitive-services/anomaly-detector/overview#multivariate-anomaly-detection>

   upvoted 1 times

Question 33

You have an app named App1 that uses an Azure Cognitive Services model to identify anomalies in a time series data stream.

You need to run App1 in a location that has limited connectivity. The solution must minimize costs.

What should you use to host the model?

- A. Azure Kubernetes Service (AKS)
- B. Azure Container Instances
- C. a Kubernetes cluster hosted in an Azure Stack Hub integrated system
- D. the Docker Engine

Answer: C

<https://learn.microsoft.com/en-us/azure/cognitive-services/cognitive-services-container-support>

✉  **hens** 1 week, 5 days ago

chat gpt

To run App1 in a location that has limited connectivity and minimize costs, you should use Azure Container Instances to host the model.

Azure Container Instances is a serverless container hosting service that allows you to run Docker containers without having to manage the underlying infrastructure. You simply provide a container image, and Azure takes care of the rest, including scaling, networking, and storage.

   upvoted 3 times

✉  **Rob77** 2 weeks ago

Docker - <https://learn.microsoft.com/en-us/azure/cognitive-services/cognitive-services-container-support>

   upvoted 2 times

Question 34

HOTSPOT -

You have an Azure Cognitive Search resource named Search1 that is used by multiple apps.

You need to secure Search1. The solution must meet the following requirements:

- Prevent access to Search1 from the internet.
- Limit the access of each app to specific queries.

What should you do? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

To prevent access from the internet:

Configure an IP firewall.
Create a private endpoint.
Use Azure roles.

To limit access to queries:

Create a private endpoint.
Use Azure roles.
Use key authentication.

Answer:

Answer Area

To prevent access from the internet:

Configure an IP firewall.
Create a private endpoint.
Use Azure roles.

To limit access to queries:

Create a private endpoint.
Use Azure roles.
Use key authentication.

✉️  **Mike19D**  1 month, 1 week ago

Create Private Endpoint

Use Azure Roles

   upvoted 6 times

✉️  **ulloo**  2 weeks, 1 day ago

As per ChatGPT:

To limit access to queries in an Azure Cognitive Search resource, you can use Azure Active Directory (Azure AD) authentication and authorization

   upvoted 1 times

✉️  **Rob77** 2 weeks, 4 days ago

Pretty sure

1 should be Firewall

2 - not sure, can't find anything reasonable regarding the limitations - there is query key management in the keys though (?)

   upvoted 1 times

Common Question 2

Question 1

HOTSPOT -

You are developing an application that will use the Computer Vision client library. The application has the following code.

```
public async Task>AnalyzeImage(ComputerVisionClient client, string localImage)
{
    List<VisualFeatureTypes> features = new List<VisualFeatureTypes>()
    {
        VisualFeatureTypes.Description,
        VisualFeatureTypes.Tags,
    };
    using (Stream imageStream = File.OpenRead(localImage))
    {
        try
        {
            ImageAnalysis results = await client.AnalyzeImageInStreamAsync(imageStream, features);

            foreach (var caption in results.Description.Captions)
            {
                Console.WriteLine($"{caption.Text} with confidence {caption.Confidence}");
            }

            foreach (var tag in results.Tags)
            {
                Console.WriteLine($"{tag.Name} {tag.Confidence}");
            }
        }
        catch (Exception ex)
        {
            Console.WriteLine(ex.Message);
        }
    }
}
```

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:

Answer Area

Statements	Yes	No
The code will perform face recognition.	<input type="radio"/>	<input type="radio"/>
The code will list tags and their associated confidence.	<input type="radio"/>	<input type="radio"/>
The code will read a file from the local file system.	<input type="radio"/>	<input type="radio"/>

ET User: NYY

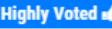
<https://docs.microsoft.com/en-us/dotnet/api/system.io.file.openread?view=net-6.0>

<https://docs.microsoft.com/en-us/java/api/com.microsoft.azure.cognitiveservices.vision.computervision.computervision.analyzeimageinstreamasync?view=azure-java-legacy>

✉️  **motu**  1 year, 11 months ago

Box 3 is Yes, the stream will be generated from a local image!

   upvoted 54 times

✉️  **Adedoyin_Simeon**  1 year, 10 months ago

Box 3 should be Yes, a stream is only a pathway for data. and in this case the data actually comes from a local file. The correct answer would be No, Yes, Yes.

   upvoted 16 times

✉️  **ninja**  9 months, 2 weeks ago

Box 1: No. The code generates description and tags. See line 3,4

Box 2: Yes. The code displays tag.Name and tag.Confidence

Box 3: Yes. File.OpenRead reads a local file. See <https://docs.microsoft.com/en-us/dotnet/api/system.io.file.openread?view=net-6.0>

   upvoted 4 times

✉️  **Eltooth** 10 months, 1 week ago

No

Yes

Yes

   upvoted 2 times

✉️  **mohamedba** 11 months ago

Answer is NYY

   upvoted 3 times

✉️  **gursimran_s** 1 year, 1 month ago

<https://docs.microsoft.com/en-us/java/api/com.microsoft.azure.cognitiveservices.vision.computervision.computervision.analyzeimageinstreamasync?view=azure-java-legacy>

   upvoted 1 times

✉️  **sumanshu** 1 year, 4 months ago

Not A Face Recognition, But Analyze the Image (i.e. extract information from the images)

Console.write shows, it will return TAG and Confidence

File.Openread(locallImage) - Will read from local system

NO YES YES

   upvoted 6 times

✉️  **Ravnit** 1 year, 5 months ago

Was on exam 27/11/2021

   upvoted 1 times

✉️  **ovokpus** 1 year, 6 months ago

No, Yes, Yes.

   upvoted 4 times

✉️  **mikegsm** 1 year, 6 months ago

Seems to be: NO, YES, YES

   upvoted 2 times

✉️  **Duch003** 1 year, 10 months ago

I agree that C is technically correct, but they are still expecting us to answer No for that one, because, if we stick that much to the details, it will be read from stream, not as a picture directly. Tricky one, I do not like it as well.

   upvoted 6 times

✉  **WillyMac** 1 year, 11 months ago

motu: I agree.

Box 3 should be Yes

   upvoted 4 times

✉  **azurelearner666** 1 year, 10 months ago

Agree! File.OpenRead() can only accept a filepath so yes.

   upvoted 4 times

ET Answer:

Answer Area

Statements	Yes	No
------------	-----	----

The code will perform face recognition.

The code will list tags and their associated confidence.

The code will read a file from the local file system.

Box 1: No -

Box 2: Yes -

The ComputerVision.analyzeImageInStreamAsync operation extracts a rich set of visual features based on the image content.

Box 3: No -

Images will be read from a stream.

Reference:

<https://docs.microsoft.com/en-us/java/api/com.microsoft.azure.cognitiveservices.vision.computervision.computervision.analyzeimageinstreamasync>

Question 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.

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

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/ComputerVisionQuickstart.cs>
<https://docs.microsoft.com/en-us/dotnet/api/system.io.stream.readasync?view=net-6.0>

✉  **sdokmak**  11 months ago

Selected Answer: BD

as per link in solution

   upvoted 9 times

✉  **sdokmak** 11 months ago

and looking at what getReadAsync and getReadResultAsync methods return.
getReadResultAsync returns Observable<ReadOperationResult> object which contains as
status() method.

   upvoted 4 times

✉  **sdokmak** 11 months ago

getReadAsync doesn't have status method. Answer is B and D
<https://docs.microsoft.com/en-us/dotnet/api/system.io.stream.readasync?view=net-6.0>

   upvoted 4 times

✉  **PHD_CHENG**  11 months, 2 weeks ago

was on exam 7 Jun 2022

   upvoted 2 times

✉  **SamedKia** 1 year ago

C and D are the correct answers.

   upvoted 3 times

✉  **ppo12** 10 months, 2 weeks ago

I don't think C is one of the answer based on <https://github.com/Azure-Samples/cognitive-services-quickstart-code/blob/master/dotnet/ComputerVision/ComputerVisionQuickstart.cs>.

It seems results.Status is part of the while condition, hence I agree with dokmak's B and D

   upvoted 1 times

Question 3

HOTSPOT -

You have a Computer Vision resource named contoso1 that is hosted in the West US Azure region.

You need to use contoso1 to make a different size of a product photo by using the smart cropping feature.

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

```
curl -H "Ocp-Apim-Subscription-Key: xxx" /  
-o "sample.png" -H "Content-Type: application/json" /  
"https://api.projectoxford.ai"  
"https://contoso1.cognitiveservices.azure.com"  
"https://westus.api.cognitive.microsoft.com"  
/vision/v3.1/  
areaOfInterest  
detect  
generateThumbnail  
?width=100&height=100&smartCropping=true" /  
  
-d "{\"url\":\"https://upload.litwareinc.org/litware/bicycle.jpg\"}"
```

ET User:

Box 1: 有争议, Contoso1 or westus

Box 2: generate Thumbnail

czmiel24 1 year, 9 months ago

The second one should be generate Thumbnail imho.

upvoted 35 times

ziizai 1 year, 8 months ago

yes, the question is exactly the sample here

<https://docs.microsoft.com/en-us/rest/api/computervision/3.1/generate-thumbnail/generate-thumbnail#examples>

upvoted 7 times

VulcanMXNY 1 year, 6 months ago

Both answers are incorrect.

The correct answers are:

<https://contoso1.cognitiveservices.azure.com/>

AND

generateThumbnail

westus.dev.cognitive.microsoft.com wouldn't be a correct Computer Vision endpoint if the resource name is contoso1.

Also, per the documentation, areaOfInterest "returns a bounding box around the most important area of the image", it doesn't return a different size photo

(<https://docs.microsoft.com/en-us/rest/api/computervision/3.1/get-area-of-interest>).

upvoted 29 times

✉️  **MDawson** 1 month, 2 weeks ago

contoso1 is a Computer Vision resource, so you would not specify /vision in the URL. Therefore I think the correct answer must be westus.api.cognitive.microsoft.com

   upvoted 1 times

✉️  **AzureJobsTillRetire** 3 months, 1 week ago

I agree with both answers here. The example <https://westus.api.cognitive.microsoft.com> is just an example and it needs to be changed to use the source in real which is contoso1.

   upvoted 1 times

✉️  **ppo12** 10 months, 1 week ago

I agree with generateThumbnail, however first answer provided by ET should be correct <https://westus.api.cognitive.microsoft.com> as shown in <https://docs.microsoft.com/en-us/rest/api/computervision/3.1/generate-thumbnail/generate-thumbnail?tabs=HTTP#examples>

   upvoted 4 times

✉️  **Sachz88** **Most Recent** 1 month, 1 week ago

<https://contoso1.cognitiveservices.azure.com/> is correct.

Context from ChatGPT:

westus.api.cognitive.microsoft.com is also a valid endpoint for the Cognitive Services APIs, including the Computer Vision API. However, it is important to note that this endpoint is deprecated and will be retired on October 31, 2024.

Therefore, it is recommended to use the newer endpoint format <https://<resource-name>.cognitiveservices.azure.com/> for any new development work. This endpoint format follows a more standard Azure resource URL pattern and is also more flexible in terms of geographic distribution and availability.

Hope it helps.

   upvoted 1 times

✉️  **NNU** 2 months, 4 weeks ago

The first is <https://contoso1.cognitiveservices.azure.com> the second is generateThumbnail
POST https://*.cognitiveservices.azure.com/vision/v3.2/generateThumbnail?width=100&height=100&smartCropping=true&model-version=latest HTTP/1.1
Host: *.cognitiveservices.azure.com
Content-Type: application/json

{"url": "http://example.com/images/test.jpg"}

   upvoted 1 times

✉️  **KingChuang** 4 months, 1 week ago

on my exam (2023-01-16 Passed)

My Answer:

<https://westus.api.cognitive.microsoft.com>

But I think this is wrong.Because Question request use contoso1!

So correct answer is :

<https://contoso1.cognitiveservices.azure.com/>

   upvoted 1 times

✉️  **ap1234pa** 4 months ago

Hello.. I have exam tomorrow. Can you suggest if ET questions were on exam?

   upvoted 1 times

Eltooth 10 months ago

Westus
generateThumbnail

<https://docs.microsoft.com/en-gb/azure/cognitive-services/computer-vision/how-to/generate-thumbnail#call-the-generate-thumbnail-api>

```
curl -H "Ocp-Apim-Subscription-Key: <subscriptionKey>" -o <thumbnailFile> -H "Content-Type: application/json"
"https://westus.api.cognitive.microsoft.com/vision/v3.2/generateThumbnail?
width=100&height=100&smartCropping=true" -d "
{"url":"https://upload.wikimedia.org/wikipedia/commons/thumb/5/56/Shorkie_Poo_Puppy.jpg/1280px-Shorkie_Poo_Puppy.jpg"}"
```

upvoted 3 times

RamonKaus 10 months ago

First one is contoso.cognitive services. Just checked my own script and cognitive services uses ur rg name in the endpoint URI.

upvoted 1 times

RamonKaus 10 months ago

Second one is obv. generateThumbnail

upvoted 1 times

JDarshan 10 months, 1 week ago

For first dropdown, 3rd option works with cognitive service key and computer vision key as well. whereas 2nd option works with only computer vision key. so answer 3rd works in both situation. therefor i'll go with

<https://westus.api.cognitive.microsoft.com/vision/v3.1/generateThumbnail?width=500&height=500&smartCropping=True>

upvoted 1 times

Eltooth 10 months, 1 week ago

Contoso1
Generatethumbnail

upvoted 1 times

Eltooth 10 months ago

Correction: New resources created after July 1, 2019, will use custom subdomain names, therefore:
westus and generateThumbnail are correct answers.

Exact copy here from MS docs:

```
curl -H "Ocp-Apim-Subscription-Key: <subscriptionKey>" -o <thumbnailFile> -H
"Content-Type: application/json"
"https://westus.api.cognitive.microsoft.com/vision/v3.2/generateThumbnail?
width=100&height=100&smartCropping=true" -d "
{"url":"https://upload.wikimedia.org/wikipedia/commons/thumb/5/56/Shorkie_Poo_Puppy.jpg/1280px-Shorkie_Poo_Puppy.jpg"}"
```

<https://docs.microsoft.com/en-gb/azure/cognitive-services/computer-vision/how-to/generate-thumbnail#call-the-generate-thumbnail-api>

upvoted 3 times

satishk4u 1 year ago

Was on exam on 03-May-2022

upvoted 1 times

✉  **2ez4Zane** 1 year, 1 month ago

the 2nd one should be generate thumbnail
Get Thumbnail

This operation generates a thumbnail image with the user-specified width and height. By default, the service analyzes the image, identifies the region of interest (ROI), and generates smart cropping coordinates based on the ROI

   upvoted 1 times

✉  **catalene** 1 year, 2 months ago

I tested this solution. I create a compute vision by azure portal for a West USA region and It was created the endpoint "<https://contoso1.cognitiveservices.azure.com/>" For mi this is correct. The other url "<https://westus.api.cognitive.microsoft.com>" than mention in this chat is an example.

   upvoted 3 times

✉  **reachmymind** 1 year, 2 months ago

Ask: make a different size of a product photo by using the smart cropping feature

Selection 1: <https://westus.api.cognitive.microsoft.com>

Selecting 2: Generate Thumbnail

Althought Using the API for generating thumbnail feature is available through both the Get Thumbnail and Get Area of Interest APIs both leveraging smart cropping, the ask is only to resize the entire image.

<https://docs.microsoft.com/en-us/azure/cognitive-services/computer-vision/concept-generating-thumbnails>

Generate Thumbnail

This operation generates a thumbnail image with the user-specified width and height.

POST <https://westus.api.cognitive.microsoft.com/vision/v3.1/generateThumbnail?width=500&height=500&smartCropping=True>

Ocp-Apim-Subscription-Key: {API key}

   upvoted 1 times

✉  **timmay54** 1 year, 3 months ago

GenerateThumbnail takes in Height Width and SmartCropping = True/false and returns the actual binary image data. It is the correct answer in this case.

Area of Interest does not accept smartCropping true/false and only returns a bounding box not an image so it is definately the wrong answer.

   upvoted 1 times

✉  **sumanshu** 1 year, 4 months ago

<https://westus.api.congnitive.microsoft.com> and Generate Thumbnail

<https://docs.microsoft.com/en-us/rest/api/computervision/3.1/generate-thumbnail/generate-thumbnail>

   upvoted 1 times

✉  **Contactfornitish** 1 year, 4 months ago

Was on exam 02/01/2022

   upvoted 1 times

✉  **alexAlvatzos** 1 year, 5 months ago

Second is generateThumbnail : Check code

POST <https://westus.api.cognitive.microsoft.com/vision/v3.1/generateThumbnail?width=500&height=500&smartCropping=True>

<https://docs.microsoft.com/de-de/rest/api/computervision/3.1/generate-thumbnail/generate-thumbnail>

   upvoted 1 times

✉️  **Ravnit** 1 year, 5 months ago

Was on exam 27/11/2021

   upvoted 1 times

✉️  **Adedoyin_Simeon** 1 year, 7 months ago

The second one should be generateThumbnail?

Proof:

```
curl -v -X POST "https://westus.api.cognitive.microsoft.com/vision/v3.2/generateThumbnail?width={number}&height={number}&smartCropping=true&model-version=latest"
-H "Content-Type: application/json"
-H "Ocp-Apim-Subscription-Key: {subscription key}"
```

--data-ascii "{body}"

<https://westus.dev.cognitive.microsoft.com/docs/services/computer-vision-v3-2/operations/56f91f2e778daf14a499f20c>

   upvoted 1 times

✉️  **SuperPetey** 1 year, 9 months ago

correct: <https://westus.dev.cognitive.microsoft.com/docs/services/computer-vision-v3-2/operations/b156d0f5e11e492d9f64418d>

   upvoted 1 times

✉️  **SuperPetey** 1 year, 9 months ago

disregard my previous comment; czmiel24 is correct - only generateThumbnail has the available query parameters present in the question: <https://docs.microsoft.com/en-us/rest/api/computervision/3.1/generate-thumbnail/generate-thumbnail>

   upvoted 4 times

ET Answer:

Answer Area

```
curl -H "Ocp-Apim-Subscription-Key: xxx" /
-o "sample.png" -H "Content-Type: application/json" /
"https://api.projectoxford.ai/vision/v3.1/
areaOfInterest?width=100&height=100&smartCropping=true" /
"https://contoso1.cognitiveservices.azure.com/
https://westus.api.cognitive.microsoft.com" /detect
generateThumbnail
-d "{\"url\":\"https://upload.litwareinc.org/litware/bicycle.jpg\"}"
```

Reference:

<https://westus.dev.cognitive.microsoft.com/docs/services/computer-vision-v3-2/operations/56f91f2e778daf14a499f21b>

<https://docs.microsoft.com/en-us/azure/cognitive-services/computer-vision/concept-generating-thumbnails#examples>

Question 4

DRAG DROP -

You are developing a webpage that will use the Azure Video Analyzer for Media (previously 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.

Select and Place:

Values	Answer Area
en-US	
false	
people,keywords	
people,search	
search	
true	

Cognitive Insights Widget
`https://www.videoindexer.ai/embed/insights/<accountId>/<videoId>/?widgets=` `controls=`

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

Answer:

Values	Answer Area
false	
people,search	

Cognitive Insights Widget
`https://www.videoindexer.ai/embed/insights/<accountId>/<videoId>/?widgets=` `controls=`

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

Reference:

<https://docs.microsoft.com/en-us/azure/azure-video-analyzer/video-analyzer-for-media-docs/video-indexer-embed-widgets>

 **Eltooth** 10 months ago

Answer is correct.

<https://docs.microsoft.com/en-us/azure/azure-video-indexer/video-indexer-embed-widgets>

   upvoted 3 times

 **Daemon69** 10 months, 4 weeks ago

<https://docs.microsoft.com/en-us/azure/azure-video-indexer/video-indexer-embed-widgets>

   upvoted 1 times

 **Daemon69** 10 months, 4 weeks ago

Cognitive Insights widget - answer is correct

Player widget - answer is correct

   upvoted 2 times

Question 5

DRAG DROP -

You train a Custom Vision model to identify a company's products by using the Retail domain.

You plan to deploy the model as part of an app for Android phones.

You need to prepare the model for deployment.

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.

Select and Place:

Actions	Answer Area
Change the model domain.	◀
Retrain the model.	↑
Test the model.	↓
Export the model.	▼

ET User:

1 Change the model domain

2 Retrain the model

3 Export the model

<https://docs.microsoft.com/en-us/azure/cognitive-services/custom-vision-service/export-your-model>

 **czmiel24** Highly Voted 1 year, 9 months ago

Actually the model should be retrained prior to publishing:

"From the top of the page, select Train to retrain using the new domain."

So it should be:

1. Change the model domain

2. Retrain

3. Publish

   upvoted 26 times

✉️  **dinesh_tng** 1 year, 8 months ago

Actually all four steps required in the sequence Change, Retrain, Test and Export. Export is also must as model has to be deployed on Android App. If I have to choose three options, I may drop "Test" as that is not mandatory to proceed, but good to have as part of process.

   upvoted 7 times

✉️  **ninja** 9 months, 2 weeks ago

Agreed. see reference <https://docs.microsoft.com/en-us/azure/cognitive-services/custom-vision-service/export-your-model>

   upvoted 2 times

✉️  **DingDongSingSong** 1 year ago

Where is the Test step before publishing? After retraining you must test it before publishing it

   upvoted 1 times

✉️  **dinesh_tng** 1 year, 8 months ago

Yep, Change the model to Retail (Compact). Exporting the Model is an optional step.

   upvoted 4 times

🕒  **RAN_L** Most Recent 2 months, 1 week ago

Change the model domain: Since you trained the model using the Retail domain, you need to switch the domain to one that is optimized for mobile devices such as the General (compact) domain.

Retrain the model: After changing the domain, you need to retrain the model using the new domain settings.

Export the model: Once the model is retrained, you can export it in the format that is compatible with your Android app. The model can be exported as a TensorFlow or Core ML model for deployment on Android.

   upvoted 1 times

🕒  **NNU** 3 months, 1 week ago

The model was trained, we must to test it, chage the model domain and export it.

<https://learn.microsoft.com/en-us/azure/cognitive-services/custom-vision-service/test-your-model> (How-to guides) the first is test, second change domain in Export models finaly export model

   upvoted 1 times

🕒  **KingChuang** 4 months, 1 week ago

on my exam (2023-01-16 Passed)

My Answer:

1. Change the model domain
2. Retrain
3. Publish

   upvoted 1 times

🕒  **AdarshKumarKhare** 6 months, 2 weeks ago

Export the Model must be excluded as it is asking for only three steps not four.

   upvoted 1 times

🕒  **AdarshKumarKhare** 6 months, 2 weeks ago

But answer shows 4 steps

   upvoted 2 times

✉  **reachmymind** 1 year, 2 months ago

Change the model domain {Retail(compact)}

Retrain the model

Export the model

<https://docs.microsoft.com/en-us/azure/cognitive-services/custom-vision-service/export-your-model>

   upvoted 4 times

✉  **sumanshu** 1 year, 4 months ago

Change the Domain to compact (for mobiles, because of size)

Retrain

Export to Mobile

   upvoted 3 times

✉  **Phong0411** 1 year, 5 months ago

Was on the exam 30/11/2021

   upvoted 1 times

✉  **gs23mi** 1 year, 7 months ago

actions:

1 Change the model domain

2 Retrain the model

3 Export the model

Reference: <https://docs.microsoft.com/en-us/azure/cognitive-services/custom-vision-service/export-your-model>

"Convert to a compact domain" for action #1 and #2

"Export your model" for action #3

   upvoted 1 times

✉  **SnowCheetah** 1 year, 8 months ago

Base on link provide answer

<https://docs.microsoft.com/en-us/azure/cognitive-services/custom-vision-service/export-your-model>

In user want to change to deploy offline model

1. Change model domain to compact model

2. Retrain compact model

3. Export model

   upvoted 3 times

✉  **SuperPetey** 1 year, 9 months ago

The stated question asks for three actions and the provided answer gives four, therefor I propose the following as the correct answer based off of the same documentation linked:

1. Change the model domain (to compact retail)

2. Export the model

3. Test the model

   upvoted 2 times

ET Answer:

Actions

Answer Area

	Change the model domain.	
	Retrain the model.	
	Test the model.	
	Export the model.	

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/custom-vision-service/export-your-model>

Question 6

HOTSPOT -

You are developing an application to recognize employees' faces by using the Face Recognition API. Images of the faces will be accessible from a URI endpoint.

The application has the following code.

```
def add_face(subscription_key, person_group_id, person_id, image_uri):
    headers = {
        'Content-Type': 'application/json',
        'Ocp-Apim-Subscription-Key': subscription_key
    }
    body = {
        'url': image_uri
    }
    conn = httplib.HTTPEConnection('westus.api.cognitive.microsoft.com')
    conn.request('POST',
    f'/face/v1.0/persongroups/{person_group_id}/persons/{person_id}/persistedFaces', f'{body}', headers)
    response = conn.getresponse()
    response_data = response.read()
```

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:

Answer Area	Statements	Yes	No
	The code will add a face image to a person object in a person group.	<input type="radio"/>	<input type="radio"/>
	The code will work for up to 10,000 people.	<input type="radio"/>	<input type="radio"/>
	add_face can be called multiple times to add multiple face images to a person object.	<input type="radio"/>	<input type="radio"/>

Answer:

Answer Area	Statements	Yes	No
	The code will add a face image to a person object in a person group.	<input checked="" type="radio"/>	<input type="radio"/>
	The code will work for up to 10,000 people.	<input type="radio"/>	<input checked="" type="radio"/>
	add_face can be called multiple times to add multiple face images to a person object.	<input checked="" type="radio"/>	<input type="radio"/>

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/face/face-api-how-to-topics/use-persondirectory>

<https://docs.microsoft.com/en-us/rest/api/faceapi/person-group/create?tabs=HTTP>

第二个有争议，部分人认为 Y

 **Internal_Koala**  8 months, 1 week ago

Based on the subscription, I think, it could also be

Yes

Yes

Yes

"Free-tier subscription quota: 1,000 person groups. Each holds up to 1,000 persons.
S0-tier subscription quota: 1,000,000 person groups. Each holds up to 10,000 persons."

<https://docs.microsoft.com/en-us/rest/api/faceapi/person-group/create?tabs=HTTP>

   upvoted 5 times

✉  **Rob77** 2 weeks, 4 days ago

2nd is "no". Nothing is stopping you from specifying another group using the code so even free tier is $1000 \times 1000 = 1\text{m}$ people

   upvoted 1 times

✉  **AzureJobsTillRetire** 3 months, 1 week ago

The second box should be No. The given answers are correct. The second box states that the code will work for up to 10,000 people. While this is true for S0 tier, it is false for free-tier. Since the price tier is not given, we will have to say that it is not always true, and that means it is false

   upvoted 3 times

✉  **surasahoo** 3 months, 1 week ago

Hi, have you passed the exam? Did you simulation questions?

   upvoted 3 times

✉  **Adobe02** 3 months, 1 week ago

Following

   upvoted 1 times

✉  **momentumhd** Most Recent 8 months, 1 week ago

Once you have the Person ID from the Create Person call, you can add up to 248 face images to a Person per recognition model.

They are all true, the limit is 75 milion persons per group

   upvoted 4 times

Question 7

DRAG DROP -

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.

Select and Place:

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.	

Answer:

Actions	Answer Area
	Use the GetProjects endpoint on acvdev.
	Use the ExportProject 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.	

Reference:

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

  **snna4**  1 year, 5 months ago

1. GetProjects on acvDEV
2. ExportProjects on acvDEV
3. ImportProjects on acvPROD

   upvoted 14 times

✉  **Eltooth** Most Recent 10 months, 1 week ago

Get on Dev
Export on Dev
Import on Prod
   upvoted 1 times

✉  **Jzerpa_ccs** 10 months, 2 weeks ago

1. GetProjects on acvDEV
2. ExportProjects on acvDEV
3. ImportProjects on acvPROD

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

   upvoted 2 times

✉  **Contactfornitish** 1 year, 4 months ago

Was on exam 02/01/2022
   upvoted 1 times

✉  **Ravnit** 1 year, 5 months ago

Was on exam 27/11/2021
   upvoted 2 times

✉  **Derin_tade** 1 year, 8 months ago

Given link proves this is correct.
   upvoted 3 times

✉  **DS_sam2701** 1 year, 8 months ago

Here in this document it is clearly mentioned how can you move your resource from dev. to prod. : <https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-tutorial-pattern#what-did-this-tutorial-accomplish>

   upvoted 2 times

✉  **fhqhfqhb** 1 year, 7 months ago

Provided link is for LUIS. Incorrect Link.

   upvoted 2 times

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-tutorial-pattern#what-did-this-tutorial-accomplish>

Question 8

DRAG DROP -

You are developing an application that will recognize faults in components produced on a factory production line. The components are specific to your business.

You need to use the Custom Vision API to help detect common faults.

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.

Select and Place:

Actions	Answer Area
Train the classifier model.	
Upload and tag images.	
Initialize the training dataset.	 
Train the object detection model.	 
Create a project.	

Answer:

Actions	Answer Area
Initialize the training dataset.	 
Train the object detection model.	 
	Create a project. Upload and tag images. Train the classifier model.

Step 1: Create a project -

Create a new project.

Step 2: Upload and tag the images

Choose training images. Then upload and tag the images.

Step 3: Train the classifier model.

Train the classifier -

<https://docs.microsoft.com/en-us/azure/cognitive-services/custom-vision-service/getting-started-build-a-classifier>

<https://learn.microsoft.com/en-us/azure/cognitive-services/custom-vision-service/quickstarts/image-classification?tabs=visual-studio&pivots=programming-language-csharp>

✉  **arbest** 3 months, 1 week ago

The answer is correct
Create a project
Upload and tag images
Train a classifier model
<https://learn.microsoft.com/en-us/azure/cognitive-services/custom-vision-service/quickstarts/image-classification?tabs=visual-studio&pivots=programming-language-csharp>
For Type of model
<https://azure.microsoft.com/en-us/use-cases/defect-detection-with-image-analysis/>

   upvoted 2 times

✉  **NNU** 3 months, 1 week ago

Yes the answer is correct
Create a project
Upload and tag images
Train the classifier model
<https://learn.microsoft.com/en-us/azure/cognitive-services/custom-vision-service/quickstarts/image-classification?tabs=visual-studio&pivots=programming-language-csharp>
and for type of model
<https://azure.microsoft.com/en-us/use-cases/defect-detection-with-image-analysis/>

   upvoted 1 times

✉  **Adedoyin_Simeon** 4 months, 3 weeks ago

Correct answer should be:
Create
Upload & Tag
Train the object detection model

The question was to help "detect" common faults. Detection means where the fault actually is in the image.

   upvoted 1 times

✉  **cce1** 4 months, 2 weeks ago

Nope, answer should be
Create, Upload & Tag, and Train classifier (not a detection mode)
Bcz classifier has to classify whether the given component is faulty or not...

   upvoted 3 times

✉  **Eltooth** 10 months, 1 week ago

Create
Upload
Train the classifier

   upvoted 3 times

✉  **ppo12** 10 months, 1 week ago

Quite confusing on the questions, since Object Detection technically can be correct IMO

   upvoted 2 times

✉  **momentumhd** 8 months, 1 week ago

You don't tag the detection images so by exclusion you could direct the answer to classification

   upvoted 1 times

✉  **kiassi1998** 1 year ago

Correct

   upvoted 4 times

✉  **sdokmak** 11 months ago

Agreed. Train the classifier, not object detection model because they make no mention of need to know the location of the detections, but they do mention detecting common faults. So can either classify as faulty, not faulty, or also classify different fault types.. not clear on that one but the answer is correct.

Question 9

HOTSPOT -

You are building a model that will be used in an iOS app.

You have images of cats and dogs. Each image contains either a cat or a dog.

You need to use the Custom Vision service to detect whether the images is of a cat or a dog.

How should you configure the project in the Custom Vision portal? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Project Types:

Classification
Object Detection

Classification Types:

Multiclass (Single tag per image)
Multilabel (Multiple tags per image)

Domains:

Audit
Food
General
General (compact)
Landmarks
Landmarks (compact)
Retail
Retail (compact)

ET User:

Classification

Multiclass (Single tag per image)

General (compact)

<https://docs.microsoft.com/en-us/azure/cognitive-services/custom-vision-service/export-your-model>

<https://docs.microsoft.com/en-us/azure/cognitive-services/custom-vision-service/select-domain#image-classification>

✉️  **dinhhungitsoft**  1 year ago

The third choice should be General compact, in other that the model can be exported to be used in iOS device

   upvoted 18 times

✉️  **g2000** 1 year ago

it seems the general compact is for edge device not ios.

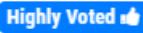
<https://docs.microsoft.com/en-us/azure/cognitive-services/custom-vision-service/select-domain#image-classification>

   upvoted 2 times

✉️  **sdokmak** 11 months, 1 week ago

So general compact is correct since ios device is an edge device.

   upvoted 5 times

✉️  **Eltooth**  10 months ago

Classification

Multiclass

General (compact)

   upvoted 7 times

✉️  **AiEngineerS**  10 months, 1 week ago

I also think that General(compact) <https://docs.microsoft.com/en-us/azure/cognitive-services/custom-vision-service/export-your-model>

1. It can be running offline
2. Real time locally

   upvoted 2 times

✉️  **SamedKia** 1 year ago

Correct

   upvoted 1 times

Answer:

Answer Area

Project Types:

Classification

Object Detection

Classification Types:

Multiclass (Single tag per image)

Multilabel (Multiple tags per image)

Domains:

Audit

Food

General

General (compact)

Landmarks

Landmarks (compact)

Retail

Retail (compact)

Box 1: Classification -

Incorrect Answers:

An object detection project is for detecting which objects, if any, from a set of candidates are present in an image.

Box 2: Multiclass -

A multiclass classification project is for classifying images into a set of tags, or target labels.

An image can be assigned to one tag only.

Incorrect Answers:

A multilabel classification project is similar, but each image can have multiple tags assigned to it.

Box 3: General -

General: Optimized for a broad range of image classification tasks. If none of the other specific domains are appropriate, or if you're unsure of which domain to choose, select one of the General domains.

Reference:

<https://cran.r-project.org/web/packages/AzureVision/vignettes/customvision.html>

Question 10

You have an Azure Video Analyzer for Media (previously Video Indexer) service that is used to provide a search interface over company videos on your company's website.

You need to be able to search for videos based on who is present in the video.

What should you do?

- A. Create a person model and associate the model to the videos.
- B. Create person objects and provide face images for each object.
- C. Invite the entire staff of the company to Video Indexer.
- D. Edit the faces in the videos.
- E. Upload names to a language model.

Answer: A

Video Indexer supports multiple Person models per account. Once a model is created, you can use it by providing the model ID of a specific Person model when uploading/indexing or reindexing a video. Training a new face for a video updates the specific custom model that the video was associated with.

Note: Video Indexer supports face detection and celebrity recognition for video content. The celebrity recognition feature covers about one million faces based on commonly requested data source such as IMDB, Wikipedia, and top LinkedIn influencers. Faces that aren't recognized by the celebrity recognition feature are detected but left unnamed. Once you label a face with a name, the face and name get added to your account's Person model. Video Indexer will then recognize this face in your future videos and past videos.

Reference:

<https://docs.microsoft.com/en-us/azure/media-services/video-indexer/customize-person-model-with-api>

<https://docs.microsoft.com/en-us/azure/azure-video-indexer/customize-person-model-with-website>

✉️  **Nebary** 9 months ago

Selected Answer: A

Should be A

   upvoted 4 times

✉️  **g2000** 1 year ago

seems right

<https://docs.microsoft.com/en-us/azure/azure-video-indexer/customize-person-model-with-website>

   upvoted 1 times

Question 11

You use the Custom Vision service to build a classifier.

After training is complete, you need to evaluate the classifier.

Which two metrics are available for review? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. recall
- B. F-score
- C. weighted accuracy
- D. precision
- E. area under the curve (AUC)

Answer: AD

Custom Vision provides three metrics regarding the performance of your model: precision, recall, and AP.

Reference:

<https://www.tallan.com/blog/2020/05/19/azure-custom-vision/>

<https://learn.microsoft.com/en-us/azure/cognitive-services/custom-vision-service/getting-started-build-a-classifier#evaluate-the-classifier>

<https://docs.microsoft.com/en-us/learn/modules/cv-classify-bird-species/4-understand-results-test>

✉  **halfway** 5 months, 1 week ago

Selected Answer: AD

Precision and Recall: <https://learn.microsoft.com/en-us/azure/cognitive-services/custom-vision-service/getting-started-build-a-classifier#evaluate-the-classifier>

   upvoted 1 times

✉  **Eltooth** 10 months, 1 week ago

Selected Answer: AD

A and D are correct answers - as per PHD_CHENG

<https://docs.microsoft.com/en-us/learn/modules/cv-classify-bird-species/4-understand-results-test>

   upvoted 2 times

✉  **PHD_CHENG** 11 months, 2 weeks ago

Was on exam 7 Jun 2022

   upvoted 1 times

✉  **PHD_CHENG** 1 year ago

Selected Answer: AD

Answer is correct. You can find the metrics from Microsoft link

<https://docs.microsoft.com/en-us/learn/modules/cv-classify-bird-species/4-understand-results-test>

   upvoted 4 times

Question 12

DRAG DROP -

You are developing a call to the Face API. The call must find similar faces from an existing list named employeefaces. The employeefaces 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.

Select and Place:

Values	Answer Area
"faceListId"	{
"LargeFaceListId"	"faceId": "18c51a87-3a69-47a8-aedc-a54745f708a1",
"matchFace"	[] : "employeefaces",
"matchPerson"	"maxNumOfCandidatesReturned": 1,
	"mode": []
	}

Answer:

Values	Answer Area
"faceListId"	{
"LargeFaceListId"	"faceId": "18c51a87-3a69-47a8-aedc-a54745f708a1",
"matchFace"	[] : "employeefaces",
"matchPerson"	"maxNumOfCandidatesReturned": 1,
	"mode": "matchFace"
	}

Box 1: LargeFaceListID -

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

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

Incorrect Answers:

Not "faceListId": Add a face to a specified face list, up to 1,000 faces.

Box 2: matchFace -

Find similar has two working modes, "matchPerson" and "matchFace". "matchPerson" is the default mode that it tries to find faces of the same person as possible by using internal same-person thresholds. It is useful to find a known person's other photos. Note that an empty list will be returned if no faces pass the internal thresholds. "matchFace" mode ignores same-person thresholds and returns ranked similar faces anyway, even the similarity is low. It can be used in the cases like searching celebrity-looking faces.

Reference:

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

<https://docs.microsoft.com/en-us/rest/api/faceapi/face/find-similar?tabs=HTTP#find-similar-results-example>

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

✉  **Jenny1**  1 year, 11 months ago

Correct.

   upvoted 12 times

✉  **sumanshu**  1 year, 4 months ago

In Question it's given we have to find similar faces - So we have to use "matchFace" and because there are large list , so we have to use LargeFaceListID

   upvoted 5 times

✉  **Eltooth**  10 months, 1 week ago

I'm leaning towards: largeFaceListId and matchedPerson

<https://docs.microsoft.com/en-us/rest/api/faceapi/face/find-similar?tabs=HTTP#find-similar-results-example>

"matchPerson" is the default mode that it tries to find faces of the same person as possible by using internal same-person thresholds. It is useful to find a known person's other photos. Note that an empty list will be returned if no faces pass the internal thresholds.

"matchFace" mode ignores same-person thresholds and returns ranked similar faces anyway, even the similarity is low. It can be used in the cases like searching celebrity-looking faces.

   upvoted 3 times

✉  **PHD_CHENG** 11 months, 2 weeks ago

Was on exam 7 Jun 2022

   upvoted 1 times

✉  **luishenriquesb** 11 months, 4 weeks ago

it's should be largeFaceListId not LargeFaceListId (Capitalized). It's wouldn't work in a http request...

   upvoted 3 times

✉  **PHD_CHENG** 1 year ago

Facelist ID up to 1,000 faces; LargeFaceListId up to 1,000,000 faces

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

   upvoted 3 times

✉  **gursimran_s** 1 year, 1 month ago

The 1000 face parameter is for the facelDs and not the faceListId.So, it could be faceListId as well.

   upvoted 1 times

✉  **gursimran_s** 1 year, 1 month ago

Why not faceListId? Nothing specific mentioned on MS docs.

   upvoted 1 times

✉  **klion** 1 year, 3 months ago

"matchPerson"

Find similar results example

Sample Request

HTTP

POST {Endpoint}/face/v1.0/findsimilar

Ocp-Apim-Subscription-Key: {API key}

Request Body

JSON

```
{  
    "facelId": "c5c24a82-6845-4031-9d5d-978df9175426",  
    "largeFaceListId": "sample_list",  
    "maxNumOfCandidatesReturned": 1,  
    "mode": "matchPerson"  
}
```

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

   upvoted 1 times

✉  **mikegsm** 1 year, 6 months ago

Seems Correct

   upvoted 2 times

Question 13

DRAG DROP -

You are developing a photo application that will find photos of a person based on a sample image by using the Face API.

You need to create a POST request to find the photos.

How should you complete the 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.

Select and Place:

Values	Answer Area
detect	POST {Endpoint}/face/v1.0/ <input type="text"/>
findsimilar	Request Body
group	
identify	
matchFace	
matchPerson	
verify	

ET User:

Box 1: findsimilar

Box 2: matchPerson

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

<https://docs.microsoft.com/en-us/rest/api/faceapi/face/find-similar?tabs=HTTP#find-similar-results-example>

<https://dev.cognitive.azure.cn/docs/services/563879b61984550e40cbbe8d/operations/563879b61984550f30395237>

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

<https://docs.microsoft.com/en-us/learn/modules/identify-faces-with-computer-vision/4-overview-of-face-recognition>

motu 1 year, 11 months ago

Box 1 is "findsimilar", others do not match the given request body and make no sense anyway. <https://docs.microsoft.com/en-us/rest/api/faceapi/face/find-similar>

upvoted 47 times

leo822 1 year, 11 months ago

cool. correct answer!

upvoted 2 times

idrisfl 1 year, 10 months ago

definitely find-similar, as it is the only one whose body parameters correspond

upvoted 2 times

Eltooth **Most Recent** 10 months, 1 week ago

findsimilar and matchPerson

<https://docs.microsoft.com/en-us/rest/api/faceapi/face/find-similar?tabs=HTTP#find-similar-results-example>

"matchPerson" is the default mode that it tries to find faces of the same person as possible by using internal same-person thresholds. It is useful to find a known person's other photos. Note that an empty list will be returned if no faces pass the internal thresholds.

"matchFace" mode ignores same-person thresholds and returns ranked similar faces anyway, even the similarity is low. It can be used in the cases like searching celebrity-looking faces.

   upvoted 4 times

reachmymind 1 year, 2 months ago

Box 1: findsimilar

Box 2: matchPerson

<https://dev.cognitive.azure.cn/docs/services/563879b61984550e40cbbe8d/operations/563879b61984550f30395237>

   upvoted 4 times

bitcoin89 1 year, 3 months ago

```
FIRST BOX IDEBTIFY SECOND BOX NOTHING
POST {Endpoint}/face/v1.0/identify
Ocp-Apim-Subscription-Key: {API key}
{
  "largePersonGroupId": "sample_group",
  "faceIds": [
    "c5c24a82-6845-4031-9d5d-978df9175426",
    "65d083d4-9447-47d1-af30-b626144bf0fb"
  ],
  "maxNumOfCandidatesReturned": 1,
  "confidenceThreshold": 0.5
}
```

   upvoted 1 times

sumanshu 1 year, 4 months ago

Box 1 - FindSimilar

Box 2 - matchPerson (We have to find based on a sample photo)

   upvoted 1 times

mikegsm 1 year, 6 months ago

Seems FIND SIMILAR AND MATCHPERSON

   upvoted 1 times

DeBoer 1 year, 7 months ago

Looking at the ENTIRE document the answer has to be findsimilar: You cannot send the properties like faceListID and largeFaceListId to /detect

   upvoted 1 times

nitkat 1 year, 8 months ago

The Answer is correct. The question asks to "find photos of a person based on a sample image". Key is "based on a sample image". Only detect does this :

<https://docs.microsoft.com/en-us/rest/api/faceapi/face/detect-with-url>. Find Similars is used to search the similar-looking faces from a faceId array, a face list or a large face list

   upvoted 4 times

Zoul 1 year, 7 months ago

detect does not take faceid. Cannot be detect !

   upvoted 1 times

✉  **Banye27** 1 year, 9 months ago
<https://docs.microsoft.com/en-us/rest/api/faceapi/face/find-similar>
👍 ↪ ⚡ upvoted 2 times

✉  **azurelearner666** 1 year, 10 months ago
Correct!
👍 ↪ ⚡ upvoted 2 times

✉  **Dalias** 1 year, 11 months ago
Motu is correct. verified the link too
<https://docs.microsoft.com/en-us/rest/api/faceapi/face/find-similar>
👍 ↪ ⚡ upvoted 4 times

✉  **LKLK10** 1 year, 11 months ago
I think it's Verify. "Do two images of a face belong to the same person? This defines verification." <https://docs.microsoft.com/en-us/learn/modules/identify-faces-with-computer-vision/4-overview-of-face-recognition>
👍 ↪ ⚡ upvoted 4 times

ET Answer:

Values	Answer Area
detect	POST {Endpoint}/face/v1.0/ detect
findsimilar	Request Body
group	
identify	
matchFace	
matchPerson	
verify	

```
POST {Endpoint}/face/v1.0/ detect
Request Body

{
    "faceId": "c5c24a82-6845-4031-9d5d-978df9175426",
    "largeFaceListId": "sample_list",
    "maxNumOfCandidatesReturned": 10,
    "mode": " matchPerson "
}
```

Box 1: detect -

Face - Detect With Url: Detect human faces in an image, return face rectangles, and optionally with faceIds, landmarks, and attributes.

POST {Endpoint}/face/v1.0/detect

Box 2: matchPerson -

Find similar has two working modes, "matchPerson" and "matchFace". "matchPerson" is the default mode that it tries to find faces of the same person as possible by using internal same-person thresholds. It is useful to find a known person's other photos. Note that an empty list will be returned if no faces pass the internal thresholds. "matchFace" mode ignores same-person thresholds and returns ranked similar faces anyway, even the similarity is low. It can be used in the cases like searching celebrity-looking faces.

Reference:

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

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

Question 14

HOTSPOT -

You develop a test method to verify the results retrieved from a call to the Computer Vision API. The call is used to analyze the existence of company logos in images. The call returns a collection of brands named brands.

You have the following code segment.

```
for brand in image_analysis.brands:  
    if brand_confidence >= 0.75:  
        print(f"\nLogo of {brand_name} between {brand.rectangle_x}, {brand.rectangle.y} and  
        {brand.rectangle.w}, {brand.rectangle.h}")
```

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:

Answer Area

Statements	Yes	No
The code will return the name of each detected brand with a confidence equal to or higher than 75 percent.	<input type="radio"/>	<input type="radio"/>
The code will return coordinates for the top-left corner of the rectangle that contains the brand logo of the displayed brands.	<input type="radio"/>	<input type="radio"/>
The code will return coordinates for the bottom-right corner of the rectangle that contains the brand logo of the displayed brands.	<input type="radio"/>	<input type="radio"/>

Answer:

Answer Area

Statements	Yes	No
The code will return the name of each detected brand with a confidence equal to or higher than 75 percent.	<input checked="" type="radio"/>	<input type="radio"/>
The code will return coordinates for the top-left corner of the rectangle that contains the brand logo of the displayed brands.	<input checked="" type="radio"/>	<input type="radio"/>
The code will return coordinates for the bottom-right corner of the rectangle that contains the brand logo of the displayed brands.	<input type="radio"/>	<input checked="" type="radio"/>

Box 1: Yes -

Box 2: Yes -

Coordinates of a rectangle in the API refer to the top left corner.

Box 3: No -

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/computer-vision/concept-brand-detection>

✉️  **halfway**  6 months, 1 week ago

Maybe I take it too literally, but I think the third one is "NO": the response returns Width and Height, which can be used to calculate the coordinates of bottom right corner, but it does not include them directly.

   upvoted 6 times

✉️  **RAN_L**  2 months, 1 week ago

The code will return the name of each detected brand with a confidence equal to or higher than 75 percent.

Yes, the code will return the name of each detected brand with a confidence equal to or higher than 75 percent.

2. The code will return coordinates for the top-left corner of the rectangle that contains the brand logo of the displayed brands.

Yes, the code will return the coordinates for the top-left corner of the rectangle that contains the brand logo of the displayed brands.

3. The code will return coordinates for the bottom-right corner of the rectangle that contains the brand logo of the displayed brands.

No, the code will not return coordinates for the bottom-right corner of the rectangle that contains the brand logo of the displayed brands. The code is printing the width and height of the rectangle instead.

   upvoted 1 times

✉️  **VinnieG** 4 months, 2 weeks ago

it could be a trap : so yes, no (it is rectangle.x and not _x) , no (should be x + w as the service returns the width and top left corner :

```
Console.WriteLine("Brands:");
foreach (var brand in results.Brands)
{
    Console.WriteLine($"Logo of {brand.Name} with confidence {brand.Confidence} at location
{brand.Rectangle.X}, " +
    $"{brand.Rectangle.X + brand.Rectangle.W}, {brand.Rectangle.Y}, {brand.Rectangle.Y +
    brand.Rectangle.H}");
}
Console.WriteLine();
```

<https://learn.microsoft.com/en-us/azure/cognitive-services/computer-vision/how-to/call-analyze-image?tabs=csharp>

   upvoted 2 times

✉️  **rafael0** 5 months, 1 week ago

its' yes

yes

no

The coordinates are always regarding the top left point of the rectangle

   upvoted 3 times

✉️  **oliverio** 7 months, 1 week ago

Y

Y

Y

the code will return the coordinates for any position

   upvoted 1 times

✉  **Anulf** 7 months, 3 weeks ago

yes
yes
yes

   upvoted 1 times

✉  **Davard** 7 months, 2 weeks ago

What makes the third one "yes"?

   upvoted 2 times

✉  **Anulf** 7 months, 2 weeks ago

According to the microsoft Document, I thought so. What makes you think it is No ?

   upvoted 1 times

✉  **GigaCaster** 6 months, 4 weeks ago

if you look at the code it is _x and not .x

   upvoted 1 times

✉  **AzureJobsTillRetire** 3 months, 1 week ago

I think that is a typo

   upvoted 1 times

Question 15

HOTSPOT -

You develop an application that uses the Face API.

You need to add multiple images to a person group.

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

```
Parallel.For(0, PersonCount, async i =>
{
    Guid personId = persons[i].PersonId;
    string personImageDir = $"{path}/path/to/person/{i}/images";
    foreach (string imagePath in Directory.GetFiles(personImageDir, "*.jpg"))
    {
        using (File t = File.OpenRead(imagePath))
        {
            await faceClient.PersonGroupPerson.
                AddFaceFromStreamAsync
                .AddFaceFromUrlAsync
                .CreateAsync
                .GetAsync
                (personGroupId, personId, t);
        }
    }
});
```

ET User:

Stream

AddFaceFromStreamAsync

<https://docs.microsoft.com/en-us/azure/cognitive-services/face/face-api-how-to-topics/how-to-add-faces>

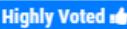
<https://docs.microsoft.com/en-us/azure/cognitive-services/computer-vision/how-to/add-faces#step-5-add-faces-to-the-persons>

<https://docs.microsoft.com/en-us/dotnet/api/microsoft.azure.cognitiveservices.vision.face.persongroupextensions.adfacedfromstreamasync?view=azure-dotnet>

  leo822  1 year, 11 months ago

AddFaceFromStreamAsync. Step 5 on <https://docs.microsoft.com/en-us/azure/cognitive-services/face/face-api-how-to-topics/how-to-add-faces>

   upvoted 42 times

✉  **azurelearner666**  1 year, 10 months ago

Wrong!

A - Stream (this is correct)
B - AddFaceFromStreamAsync

(literally the same code from Step 5 at <https://docs.microsoft.com/en-us/azure/cognitive-services/face/face-api-how-to-topics/how-to-add-faces>)

   upvoted 29 times

✉  **Mike19D**  3 weeks ago

Stream
AddFaceFromStreamAsync
   upvoted 1 times

✉  **ninja** 9 months, 2 weeks ago

Box 1: Stream
Box 2: AddFaceFromStreamAsync

File.OpenRead() returns a Stream object.

```
using (Stream stream = File.OpenRead(imagePath))
{
    await faceClient.PersonGroupPerson.AddFaceFromStreamAsync(personGroupId, personId,
    stream);
}
ref: https://docs.microsoft.com/en-us/azure/cognitive-services/computer-vision/how-to/add-faces#step-5-add-faces-to-the-persons
```

   upvoted 2 times

✉  **Eltooth** 10 months, 1 week ago

Stream and AddFaceFromStreamAsync are correct answers.

<https://docs.microsoft.com/en-us/azure/cognitive-services/computer-vision/how-to/add-faces#step-5-add-faces-to-the-persons>

   upvoted 3 times

✉  **Deepusuraj** 1 year, 3 months ago

```
Parallel.For(0, PersonCount, async i =>
{
    Guid personId = persons[i].PersonId;
    string personImageDir = @"/path/to/person/{i}/images";

    foreach (string imagePath in Directory.GetFiles(personImageDir, "*jpg"))
    {
        await WaitCallLimitPerSecondAsync();

        using (Stream stream = File.OpenRead(imagePath))
        {
            await faceClient.PersonGroupPerson.AddFaceFromStreamAsync(personGroupId, personId,
            stream);
        }
    }
});
```

   upvoted 1 times

✉  **sumanshu** 1 year, 4 months ago

Stream and AddFaceFromStreamAsync

   upvoted 2 times

✉️  **Happiness20** 1 year, 8 months ago

```
Parallel.For(0, PersonCount, async i =>
{
    Guid personId = persons[i].PersonId;
    string personImageDir = @"/path/to/person/{i}/images";

    foreach (string imagePath in Directory.GetFiles(personImageDir, "*.jpg"))
    {
        await WaitCallLimitPerSecondAsync();

        using (Stream stream = File.OpenRead(imagePath))
        {
            await faceClient.PersonGroupPerson.AddFaceFromStreamAsync(personGroupId, personId,
            stream);
        }
    }
});
```

<https://docs.microsoft.com/en-us/azure/cognitive-services/face/face-api-how-to-topics/how-to-add-faces>

   upvoted 2 times

✉️  **Happiness20** 1 year, 8 months ago

```
Parallel.For(0, PersonCount, async i =>
{
    Guid personId = persons[i].PersonId;
    string personImageDir = @"/path/to/person/{i}/images";

    foreach (string imagePath in Directory.GetFiles(personImageDir, "*.jpg"))
    {
        await WaitCallLimitPerSecondAsync();

        using (Stream stream = File.OpenRead(imagePath))
        {
            await faceClient.PersonGroupPerson.AddFaceFromStreamAsync(personGroupId, personId,
            stream);
        }
    }
});
```

<https://docs.microsoft.com/en-us/azure/cognitive-services/face/face-api-how-to-topics/how-to-add-faces>

   upvoted 2 times

✉️  **Happiness20** 1 year, 8 months ago

```
Parallel.For(0, PersonCount, async i =>
{
    Guid personId = persons[i].PersonId;
    string personImageDir = @"/path/to/person/{i}/images";

    foreach (string imagePath in Directory.GetFiles(personImageDir, "*.jpg"))
    {
        await WaitCallLimitPerSecondAsync();

        using (Stream stream = File.OpenRead(imagePath))
        {
            await faceClient.PersonGroupPerson.AddFaceFromStreamAsync(personGroupId, personId,
            stream);
        }
    }
});
```

   upvoted 1 times

✉  **ramkinkarpandey** 1 year, 10 months ago

```
Parallel.For(0, PersonCount, async i =>
{
    Guid personId = persons[i].PersonId;
    string personImageDir = @"/path/to/person/{i}/images";

    foreach (string imagePath in Directory.GetFiles(personImageDir, "*.jpg"))
    {
        await WaitCallLimitPerSecondAsync();

        using (Stream stream = File.OpenRead(imagePath))
        {
            await faceClient.PersonGroupPerson.AddFaceFromStreamAsync(personGroupId, personId,
            stream);
        }
    }
});
```

   upvoted 3 times

✉  **LKLK10** 1 year, 11 months ago

AddFaceFromStreamAsync

   upvoted 4 times

✉  **PandeyKi** 1 year, 11 months ago

Correct answer is A .AddFaceFromStreamAsync

   upvoted 6 times

✉  **motu** 1 year, 11 months ago

AddFileFromStreamAsync is right: <https://docs.microsoft.com/en-us/dotnet/api/microsoft.azure.cognitiveservices.vision.face.persongroupextensions.addfacefromstreamasync?view=azure-dotnet>

   upvoted 5 times

ET Answer:

Answer Area

```
Parallel.For(0, PersonCount, async i =>
{
    Guid personId = persons[i].PersonId;
    string personImageDir = $"{"/path/to/person/{i}/images"}";
    foreach (string imagePath in Directory.GetFiles(personImageDir, "*.jpg"))
    {
        using (File t = File.OpenRead(imagePath))
        {
            await faceClient.PersonGroupPerson.
                CreateAsync
                (personGroupId, personId, t);
        }
    }
});
```

Box 1: Stream -

The File.OpenRead(String) method opens an existing file for reading.

Example: Open the stream and read it back.

```
using (FileStream fs = File.OpenRead(path))
```

Box 2: CreateAsync -

Create the persons for the PersonGroup. Persons are created concurrently.

Example:

```
await faceClient.PersonGroupPerson.CreateAsync(personGroupId, personName);
```

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/face/face-api-how-to-topics/how-to-add-faces>

Question 16

Your company uses an Azure Cognitive Services solution to detect faces in uploaded images. The method to detect the faces uses the following code.

```
static async Task DetectFaces(string imagePath)
{
    HttpClient client = new HttpClient();
    DefaultRequestHeaders.Add("Ocp-Apim-Subscription-Key", subscriptionKey);
    string requestParameter = "detectionModel=detection_01&returnFaceId=true&returnFaceLandmarks=false";
    string uri = endpoint + "/face/v1.0/detect?" + requestParameters;
    HttpResponseMessage response;
    byte[] byteData = GetImagesAsByteArray(imagePath);
    using (ByteArrayContent content = new ByteArrayContent(byteData))
    {
        Headers.ContentType = new MediaTypeHeaderValue("application/octet-stream");
        response = await PostAsync(uri, content);
        string contentString = await Content.ReadAsStringAsync();
        ProcessDetection(contentString);
    }
}
```

You discover that the solution frequently fails to detect faces in blurred images and in images that contain sideways faces.

You need to increase the likelihood that the solution can detect faces in blurred images and images that contain sideways faces.

What should you do?

- A. Use a different version of the Face API.
- B. Use the Computer Vision service instead of the Face service.
- C. Use the Identify method instead of the Detect method.
- D. Change the detection model.

Answer: D

Evaluate different models.

The best way to compare the performances of the detection models is to use them on a sample dataset. We recommend calling the Face - Detect API on a variety of images, especially images of many faces or of faces that are difficult to see, using each detection model. Pay attention to the number of faces that each model returns.

The different face detection models are optimized for different tasks. See the following table for an overview of the differences.

detection_01	detection_02	detection_03
Default choice for all face detection operations.	Released in May 2019 and available optionally in all face detection operations.	Released in February 2021 and available optionally in all face detection operations.
Not optimized for small, side-view, or blurry faces.	Improved accuracy on small, side-view, and blurry faces.	Further improved accuracy, including on smaller faces (64x64 pixels) and rotated face orientations.
Returns main face attributes (head pose, age, emotion, and so on) if they're specified in the detect call.	Does not return face attributes.	Returns mask and head pose attributes if they're specified in the detect call.
Returns face landmarks if they're specified in the detect call.	Does not return face landmarks.	Returns face landmarks if they're specified in the detect call.

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/face/face-api-how-to-topics/specify-detection-model>

<https://docs.microsoft.com/en-us/azure/cognitive-services/computer-vision/how-to/specify-detection-model#evaluate-different-models>

 **Eltooth**  10 months, 1 week ago

Selected Answer: D

D is correct answer : change the detection model.

<https://docs.microsoft.com/en-us/azure/cognitive-services/computer-vision/how-to/specify-detection-model#evaluate-different-models>

   upvoted 7 times

Question 17

You have the following Python function for creating Azure Cognitive Services resources programmatically.

```
def create_resource(resource_name, kind, account_tier, location):
    parameters = CognitiveServicesAccount(sku=Sku(name=account_tier), kind=kind,
    location=location, properties={})
    result = client.accounts.create(resource_group_name,
    resource_name, parameters)
```

You need to call the function to create a free Azure resource in the West US Azure region.

The resource will be used to generate captions of images automatically.

Which code should you use?

- A. create_resource("res1", "ComputerVision", "F0", "westus")
- B. create_resource("res1", "CustomVision.Prediction", "F0", "westus")
- C. create_resource("res1", "ComputerVision", "S0", "westus")
- D. create_resource("res1", "CustomVision.Prediction", "S0", "westus")

ET User: A, 注此题与 CQ1-9 题干不同，选项相同，答案相同

<https://azure.microsoft.com/en-us/pricing/details/cognitive-services/computer-vision/>

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

✉️  **ArchMelody**  6 months, 2 weeks ago

Selected Answer: A

Computer vision provide automatic vision solutions including captions. The key-phrase is "automatic". Therefore this answer should be obvious to everyone. I would expect more professionalism from people who request money for services like this one. Many questions here have incorrect and even contradictory answers... Shame!

   upvoted 10 times

✉️  **ulloo** 2 weeks, 1 day ago

I agree.

To me it looks like many answers are being deliberately set to incorrect answers. Not sure why, though.

   upvoted 1 times

✉️  **ap1234pa**  4 months ago

Selected Answer: A

Computer Vision has generate captions feature

   upvoted 1 times

✉️  **SSJA** 5 months, 1 week ago

Selected Answer: B

This question was asked for free azure service. Do we have the generate caption feature supports this with free tier?

Reference - <https://azure.microsoft.com/en-us/pricing/details/cognitive-services/computer-vision/>

   upvoted 1 times

✉️👤 steeee 8 months ago

Selected Answer: A

Should be A.

👍👎FLAG upvoted 4 times

✉️👤 be_ml_team 8 months ago

Selected Answer: A

A because computer vision provides tags

👍👎FLAG upvoted 2 times

✉️👤 goo1994 8 months, 2 weeks ago

Answer Should be A.

👍👎FLAG upvoted 2 times

✉️👤 goo1994 8 months, 2 weeks ago

one of the feature of Computer vision: The Image Analysis service extracts many visual features from images, such as objects, faces, adult content, and auto-generated text descriptions. Follow the Image Analysis quickstart to get started.

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

👍👎FLAG upvoted 3 times

ET Answer: B

F0 is the free tier.

Custom Vision Service -

Upload images to train and customize a computer vision model for your specific use case. Once the model is trained, you can use the API to tag images using the model and evaluate the results to improve your classifier.

Incorrect:

Not C, not D: S0 is the standard tier, which isn't free.

Not A, not C: The Computer Vision service provides developers with access to advanced algorithms for processing images and returning information.

Computer Vision -

Returns information about visual content found in an image:

Use tagging, descriptions, and domain-specific models to identify content and label it with confidence.

Apply adult/racy settings to enable automated restriction of adult content.

Identify image types and color schemes in pictures.

Reference:

<https://docs.microsoft.com/en-us/python/api/overview/azure/cognitive-services?view=azure-python>

Question 18

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.

```
def read_file_url(computervision_client, url_file):
    read_response = computervision_client.read(url_file, raw=True)
    read_operation_location = read_response.headers["Operation-Location"]
    operation_id = read_operation_location.split("/")[-1]
    read_result = computervision_client.get_read_result(operation_id)

    for page in read_result.analyze_result.read_results:
        for line in page.lines:
            print(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.

NOTE: Each correct selection is worth one point.

- A. Remove the operation_id parameter.
- B. Add code to verify the read_results.status value.
- C. Add code to verify the status of the read_operation_location value.
- D. Wrap the call to get_read_result within a loop that contains a delay.

Answer: BD, 注此题与 CQ2-2 有部分细小的差异, 但答案一样

由 RAN_L 2 months, 1 week ago

Selected Answer: BD

- B. Add code to verify the read_results.status value.
- D. Wrap the call to get_read_result within a loop that contains a delay.

Explanation:

In order to prevent the GetReadResultAsync method from proceeding until the read operation is complete, we need to check the status of the read operation and wait until it's completed. To do this, we can add code to verify the status of the read_results.status value. If the status is not "succeeded", we can add a delay and then retry the operation until it's complete. This can be achieved by wrapping the call to get_read_result within a loop that contains a delay.

Removing the operation_id parameter or adding code to verify the status of the read_operation_location value will not solve the issue of waiting for the read operation to complete before proceeding with the GetReadResultAsync method.

1 upvoted 2 times

由 halfway 6 months, 1 week ago

Selected Answer: BD

Duplicated with Topic 2, Question 2.

1 upvoted 1 times

由 michasacuer 8 months, 1 week ago

Selected Answer: BD

Correct

1 upvoted 1 times

Question 19

HOTSPOT -

You are building an app that will enable users to upload images. The solution must meet the following requirements:

- * Automatically suggest alt text for the images.
- * Detect inappropriate images and block them.
- * Minimize development effort.

You need to recommend a computer vision endpoint for each requirement.

What should you recommend? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Generate alt text:

https://westus.api.cognitive.microsoft.com/contentmoderator/moderate/v1.0/ProcessImage/Evaluate
https://westus.api.cognitive.microsoft.com/customvision/v3.1/prediction/projectId/classify/iterations/publishedName/image
https://westus.api.cognitive.microsoft.com/vision/v3.2/analyze/?visualFeatures=Adult,Description

Detect inappropriate content:

https://westus.api.cognitive.microsoft.com/contentmoderator/moderate/v1.0/ProcessImage/Evaluate
https://westus.api.cognitive.microsoft.com/customvision/v3.1/prediction/projectId/classify/iterations/publishedName/image
https://westus.api.cognitive.microsoft.com/vision/v3.2/analyze/?visualFeatures=Adult,Description
https://westus.api.cognitive.microsoft.com/vision/v3.2/describe?maxCandidates=1

ET User:

vision/v3.2/analyze/?visualFeatures=Adult,Description for both

<https://westcentralus.dev.cognitive.microsoft.com/docs/services/computer-vision-v3-2/operations/56f91f2e778daf14a499f21f>

 **Tanmay1178** Highly Voted 5 months, 4 weeks ago

I think it is vision/v3.2/analyze/?visualFeatures=Adult,Description for both

   upvoted 8 times

 **Tickxit** Most Recent 7 months, 3 weeks ago

I think it is two times /analyze/?visualFeatures=Adult,Description

   upvoted 4 times

 **Anulf** 7 months, 3 weeks ago

Shouldn't it be option 2 in the first column ? "iteratio"

   upvoted 1 times

✉️  **firewind** 8 months ago

Generate alt text can use either analyze or describe. From the given option, I think it should be the analyze url too.

<https://westcentralus.dev.cognitive.microsoft.com/docs/services/computer-vision-v3-2/operations/56f91f2e778daf14a499f21f>

   upvoted 2 times

✉️  **Rob77** 2 weeks, 4 days ago

Agreed, analyze in both answers

   upvoted 1 times

ET Answer:

Answer Area

Generate alt text:

```
https://westus.api.cognitive.microsoft.com/contentmoderator/moderate/v1.0/ProcessImage/Evaluate  
https://westus.api.cognitive.microsoft.com/customvision/v3.1/prediction/projectId/classify/iterations/publishedName/image  
https://westus.api.cognitive.microsoft.com/vision/v3.2/analyze/?visualFeatures=Adult,Description
```

Detect inappropriate content:

```
https://westus.api.cognitive.microsoft.com/contentmoderator/moderate/v1.0/ProcessImage/Evaluate  
https://westus.api.cognitive.microsoft.com/customvision/v3.1/prediction/projectId/classify/iterations/publishedName/image  
https://westus.api.cognitive.microsoft.com/vision/v3.2/analyze/?visualFeatures=Adult,Description  
https://westus.api.cognitive.microsoft.com/vision/v3.2/describe?maxCandidates=1
```

Box 1:

<https://westus.api.cognitive.microsoft.com/customvision/v3.1/prediction/projectId/classify/iterations/publishName/image>

Box 2:

<https://westus.api.cognitive.microsoft.com/vision/v3.2/analyze/?visualFeatures=Adult,Description>

Computer Vision can detect adult material in images so that developers can restrict the display of these images in their software. Content flags are applied with a score between zero and one so developers can interpret the results according to their own preferences.

You can detect adult content with the Analyze Image API. When you add the value of Adult to the visualFeatures query parameter

Incorrect:

Use the Image Moderation API in Azure Content Moderator to scan image content. The moderation job scans your content for profanity, and compares it against custom and shared blocklists.

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/computer-vision/concept-detecting-adult-content> <https://docs.microsoft.com/en-us/azure/cognitive-services/content-moderator/try-image-api>

<https://docs.microsoft.com/en-us/legal/cognitive-services/custom-vision/custom-vision-cvs-transparency-note>

Question 20

You need to build a solution that will use optical character recognition (OCR) to scan sensitive documents by using the Computer Vision API. The solution must NOT be deployed to the public cloud.

What should you do?

- A. Build an on-premises web app to query the Computer Vision endpoint.
- B. Host the Computer Vision endpoint in a container on an on-premises server.
- C. Host an exported Open Neural Network Exchange (ONNX) model on an on-premises server.
- D. Build an Azure web app to query the Computer Vision endpoint.

Answer: B

One option to manage your Computer Vision containers on-premises is to use Kubernetes and Helm.

Three primary parameters for all Cognitive Services containers are required. The Microsoft Software License Terms must be present with a value of accept. An Endpoint URI and API key are also needed.

Incorrect:

Not D: This Computer Vision endpoint would be available for the public, unless it is secured.

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/computer-vision/deploy-computer-vision-on-premises>

 **RAN_L** 2 months, 1 week ago

Selected Answer: B

B. Host the Computer Vision endpoint in a container on an on-premises server.

Since the solution should not be deployed to the public cloud, option B is the correct answer. By hosting the Computer Vision endpoint in a container on an on-premises server, the solution can still leverage the capabilities of the Computer Vision API while keeping the processing and data within the on-premises environment. Option A and D both involve using a web app, which would likely require hosting in the public cloud. Option C involves hosting an exported ONNX model, which may not have the same capabilities as the Computer Vision API.

   upvoted 2 times

 **HotDurian** 5 months, 1 week ago

Selected Answer: B

Answer is correct.

   upvoted 2 times

Question 21

You have an Azure Cognitive Search solution and a collection of handwritten letters stored as JPEG files.

You plan to index the collection. The solution must ensure that queries can be performed on the contents of the letters.

You need to create an indexer that has a skillset.

Which skill should you include?

- A. image analysis
- B. optical character recognition (OCR)
- C. key phrase extraction
- D. document extraction

Answer: B

  RAN_L  2 months, 1 week ago

Selected Answer: B

To ensure that queries can be performed on the contents of the letters, the skill that should be included in the indexer is optical character recognition (OCR).

Option B, optical character recognition (OCR), is a technology that can recognize text within an image and convert it into machine-readable text. This skill will enable the search engine to read the handwritten letters and convert them into searchable text that can be indexed by Azure Cognitive Search.

Option A, image analysis, is a useful skill for analyzing images to extract metadata, but it does not directly enable text recognition.

Option C, key phrase extraction, extracts important phrases and concepts from text, but it requires the text to be already recognized and extracted by OCR or other text extraction techniques.

Option D, document extraction, is a skill that extracts specific pieces of information from documents, but it does not address the challenge of recognizing and extracting text from handwritten letters.

   upvoted 5 times

Question 22

HOTSPOT -

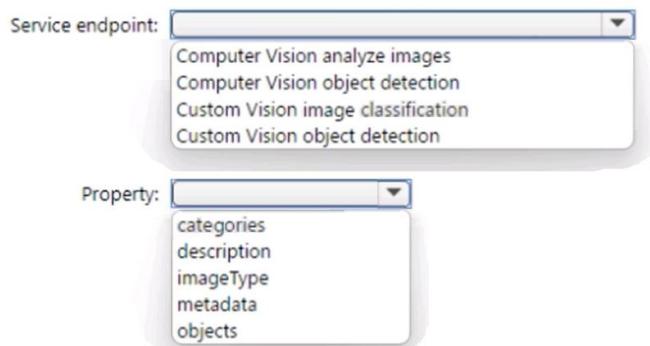
You have a library that contains thousands of images.

You need to tag the images as photographs, drawings, or clipart.

Which service endpoint and response property should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area



ET User:

1 - Computer Vision analyze image

2 – imageType

jimbojambo Highly Voted 2 months, 1 week ago

I think that the answers are wrong. They should be:

1 - Computer Vision analyze image

2 - imageType

According to <https://learn.microsoft.com/en-us/azure/cognitive-services/computer-vision/concept-detecting-image-types> Computer Vision can analyze the content type of images, indicating whether an image is clip art or a line drawing

upvoted 12 times

ulloo Most Recent 2 weeks, 1 day ago

ChatGPT:

You can use the Microsoft Azure Computer Vision API to tag the images as photographs, drawings, or clipart.

You can call the "Describe Image" API endpoint and use the "imageType" property of the response to determine if the image is a photograph, a drawing, or clipart. The "imageType" property can have the following values:

"Clipart": Indicates that the image is a clipart.

"LineDrawing": Indicates that the image is a line drawing.

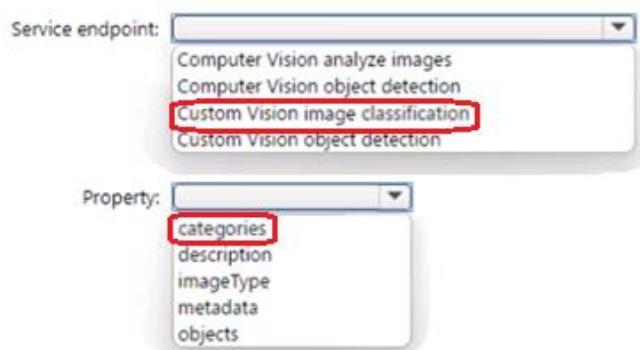
"Photograph": Indicates that the image is a photograph.

You can send an HTTP POST request to the API endpoint with the image file as the request body and specify the "imageType" in the "visualFeatures" parameter. The API will return a JSON response containing the "imageType" property along with other properties such as "tags", "description", and "categories".

upvoted 1 times

ET Answer:

Answer Area



Question 23

You have an app that captures live video of exam candidates.

You need to use the Face service to validate that the subjects of the videos are real people.

What should you do?

- A. Call the face detection API and retrieve the face rectangle by using the FaceRectangle attribute.
- B. Call the face detection API repeatedly and check for changes to the FaceAttributes.HeadPose attribute.
- C. Call the face detection API and use the FaceLandmarks attribute to calculate the distance between pupils.
- D. Call the face detection API repeatedly and check for changes to the FaceAttributes.Accessories attribute.

ET User: B

<https://learn.microsoft.com/en-us/azure/cognitive-services/computer-vision/how-to/use-headpose#detect-head-gestures>

✉️ Rob77 2 weeks, 4 days ago

B <https://learn.microsoft.com/en-us/azure/cognitive-services/computer-vision/how-to/use-headpose#detect-head-gestures>
"Liveness detection is the task of determining that a subject is a real person and not an image or video representation"

👍👎🚩 upvoted 2 times

✉️ Mike19D 1 month, 1 week ago

Selected Answer: B

The Answer is B. A could be a still picture

👍👎🚩 upvoted 2 times

✉️ marti_tremblay000 2 months, 1 week ago

Selected Answer: B

The answer is B

Detect head gestures

You can detect head gestures like nodding and head shaking by tracking HeadPose changes in real time. You can use this feature as a custom liveness detector.

Reference <https://learn.microsoft.com/en-us/azure/cognitive-services/computer-vision/how-to/use-headpose>

👍👎🚩 upvoted 2 times

ET Answer: A

Question 24

HOTSPOT -

You make an API request and receive the results shown in the following exhibits.

HTTP request

```
POST https://facetesting.cognitiveservices.azure.com/face/v1.0/detect?returnFaceId=true&returnFaceLandmarks=false&returnFaceAttributes=qualityForRecognition&recognitionModel=recognition_04&returnRecognitionModel=false&detectionModel=detection_03&faceIdTimeToLive=86400 HTTP/1.1
Host: facetesting.cognitiveservices.azure.com
Content-Type: application/json
Ocp-Apim-Subscription-Key: *****

{
    "url": "https://news.microsoft.com/wp-content/uploads/prod/sites/68/2021/11/EDU19_HigherEdStudentsOnCampus_002-1536x1024.jpg"
}
```

Send

Response status

200 OK

Response content

```
x-envoy-upstream-service-time: 1292
apim-request-id: 8a3aa72f-5bad-45d0-b8a4-584312258f06
Strict-Transport-Security: max-age=31536000; includeSubDomains; preload
x-content-type-options: nosniff
CSP-Billing-Usage: CognitiveServices.Face.Transaction=1
Date: Sat, 04 Dec 2021 11:15:33 GMT
Content-Length: 655
Content-Type: application/json; charset=utf-8
```

```
[{
    "faceId": "d14d131c-76ba-43e9-9e3d-dcf6466e5022",
    "faceRectangle": {
        "top": 201,
        "left": 797,
        "width": 121,
        "height": 160
    },
    "faceAttributes": {
        "qualityForRecognition": "high"
    }
}, {
    "faceId": "a3a0f2ff-b015-464c-b87c-0dd09d0698da",
    "faceRectangle": {
        "top": 249,
        "left": 1167,
        "width": 103,
        "height": 159
    },
    "faceAttributes": {
        "qualityForRecognition": "medium"
    }
}, {
    "faceId": "45481ce8-dcc4-4564-a21c-3c15cdc9c4fa",
    "faceRectangle": {
        "top": 191,
        "left": 497,
        "width": 85,
        "height": 178
    },
    "faceAttributes": {
        "qualityForRecognition": "low"
    }
}, {
    "faceId": "eac17649-effd-42c9-9093-4dd60fd4cf07",
    "faceRectangle": {
        "top": 754,
        "left": 118,
        "width": 30,
        "height": 44
    },
    "faceAttributes": {
        "qualityForRecognition": "low"
    }
}]
```

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.

Answer Area

The API [answer choice] faces.

A face that can be used in person enrollment is at position [answer choice] within the photo.



118, 754
497, 191
797, 201
1167, 249

ET User:

Detected

118, 754

  **RAN_L** 2 months, 1 week ago

The API detects faces.

A face that can be used in person enrollment is at position 797, 201 within the photo.

This question provides information about an API request made to a face detection service. The request is sent to the endpoint "<https://facetesting.cognitiveservices.azure.com/face/v1.0/detect>" with the content of an image in the JSON format. The response from the API includes an array of detected faces, each with a unique faceId, faceRectangle, and faceAttributes.

The first statement asks what the API does with faces. The correct answer is "detects" because the endpoint used in the request is "/detect," which implies that the API is used for face detection.

The second statement asks about the position of a face that can be used for person enrollment. The face's position is specified in the "faceRectangle" field of the JSON response. The correct answer is "118, 754" because that is the "left" and "top" position of the face rectangle for the fourth face in the response, which has a high enough quality for recognition to be used in person enrollment.

   upvoted 2 times

  **uira** 1 month, 1 week ago

"118, 754" has low quality, isn't it?

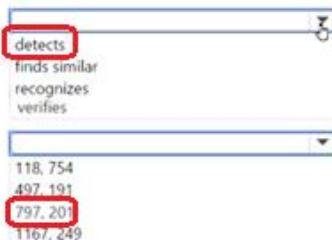
   upvoted 1 times

ET Answer:

Answer Area

The API [answer choice] faces.

A face that can be used in person enrollment is at position [answer choice] within the photo.



118, 754
497, 191
797, 201
1167, 249

Question 25

You have an Azure subscription that contains an AI enrichment pipeline in Azure Cognitive Search and an Azure Storage account that has 10 GB of scanned documents and images. You need to index the documents and images in the storage account. The solution must minimize how long it takes to build the index.

What should you do?

- A. From the Azure portal, configure parallel indexing.
- B. From the Azure portal, configure scheduled indexing.
- C. Configure field mappings by using the REST API.
- D. Create a text-based indexer by using the REST API.

Answer: A

<https://learn.microsoft.com/en-us/azure/search/search-howto-large-index>

✉  **ulloo** 2 weeks, 1 day ago

<https://learn.microsoft.com/en-us/azure/search/search-howto-large-index>

   upvoted 1 times

✉  **Mike19D** 3 weeks ago

seems logical

   upvoted 1 times

Question 26

DRAG DROP -

You need to analyze video content to identify any mentions of specific company names. 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 the specific company names to the exclude list.	
Add the specific company names to the include list.	
From Content model customization, select Language .	
Sign in to the Custom Vision website.	
Sign in to the Azure Video Analyzer for Media website.	
From Content model customization, select Brands .	

Answer:

Answer Area
Sign in to the Azure Video Analyzer for Media website.
From Content model customization, select Brands .
Add the specific company names to the include list.

Question 27

You have a mobile app that manages printed forms.

You need the app to send images of the forms directly to Forms Recognizer to extract relevant information. For compliance reasons, the image files must not be stored in the cloud.

In which format should you send the images to the Form Recognizer API endpoint?

- A. raw image binary
- B. form URL encoded
- C. JSON

Answer: A

<https://learn.microsoft.com/en-us/azure/applied-ai-services/form-recognizer/v3-migration-guide?view=form-recog-3.0.0#analyze-request-body>

✉️  **hens** 1 week, 1 day ago

chat gpt "To send images directly to Forms Recognizer and extract relevant information without storing the image files in the cloud, you should use the raw image binary format."

   upvoted 1 times

✉️  **Rob77** 2 weeks, 4 days ago

Looks like URL (not sure about the "encoded" part though!)

<https://learn.microsoft.com/en-us/azure/applied-ai-services/form-recognizer/v3-migration-guide?view=form-recog-3.0.0#analyze-request-body>

   upvoted 1 times

Question 28

You plan to build an app that will generate a list of tags for uploaded images. The app must meet the following requirements:

- Generate tags in a user's preferred language.
- Support English, French, and Spanish.
- Minimize development effort.

You need to build a function that will generate the tags for the app.

Which Azure service endpoint should you use?

- A. Content Moderator Image Moderation
- B. Custom Vision image classification
- C. Computer Vision Image Analysis
- D. Custom Translator

ET User: C

<https://learn.microsoft.com/en-us/azure/cognitive-services/computer-vision/how-to/call-analyze-image?tabs=rest>

✉️  **hens** 1 week, 1 day ago

chat gpt "To generate a list of tags for uploaded images in multiple languages, you should use the Computer Vision Image Analysis service endpoint in Azure.

Computer Vision provides a pre-built model that can generate image tags based on a given image. It also supports multiple languages, including English, French, and Spanish, which meets the requirements of the app. Additionally, the service provides a REST API, which can be easily integrated into your app without requiring significant development effort."

   upvoted 1 times

✉️  **MaliSanFuu** 4 weeks, 1 day ago

Selected Answer: C

I think the answer should be C, because of the minimized development effort. Since the prebuilt model of C also fits the other two requirements, so there is no need to train a custom model.

source: <https://learn.microsoft.com/en-us/azure/cognitive-services/computer-vision/how-to/call-analyze-image?tabs=rest>

   upvoted 4 times

ET Answer: B

Question 29

DRAG DROP -

You have a factory that produces cardboard packaging for food products. The factory has intermittent internet connectivity.

The packages are required to include four samples of each product.

You need to build a Custom Vision model that will identify defects in packaging and provide the location of the defects to an operator. The model must ensure that each package contains the four products.

Which project type and domain should you use? To answer, drag the appropriate options to the correct targets. Each option 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.

Options	Answer Area
Food	Project type: <input type="text"/>
General	Domain: <input type="text"/>
General (compact)	
Image classification	
Logo	
Object detection	

Answer:

Answer Area

Project type:

Domain:

<https://learn.microsoft.com/en-us/azure/cognitive-services/custom-vision-service/select-domain#compact-domains>

Common Question 3

Question 1

HOTSPOT -

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.

Hot Area:

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"}
        {languages}
    }

    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)
```



Answer:

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"}
        {languages}
    }

    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)
```



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);
}

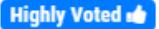
https://docs.microsoft.com/en-us/dotnet/api/microsoft.cognitiveservices.speech.translation.translationrecognizer?view=azure-dotnet

```

 **azurelearner666**  1 year, 10 months ago

Correct!

   upvoted 8 times

 **idrisfl**  1 year, 10 months ago

Seems correct

<https://docs.microsoft.com/en-us/dotnet/api/microsoft.cognitiveservices.speech.translation.translationrecognizer?view=azure-dotnet>

   upvoted 5 times

 **Eltooth**  10 months, 1 week ago

Answer is correct.

("fr", "de", "es")
 TranslationRecognizer
   upvoted 1 times

Question 2

DRAG DROP -

You train a Custom Vision model used in a mobile app.

You receive 1,000 new images that do not have any associated data.

You need to use the images to retrain the model. The solution must minimize how long it takes to retrain the model.

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

Select and Place:

Actions	Answer Area
Upload the images by category.	◀
Get suggested tags.	↑
Upload all the images.	▶
Group the images locally into category folders.	↓
Review the suggestions and confirm the tags.	▶
Tag the images manually.	↑

ET User:

- 1.) upload all the images
- 2.) Get suggested tags
- 3.) Review the suggestions and confirm the tags

<https://docs.microsoft.com/en-us/azure/cognitive-services/custom-vision-service/suggested-tags>

<https://learn.microsoft.com/en-us/training/modules/classify-images/5-exercise-custom-vision>

 **SuperPeteY**  1 year, 9 months ago

The given answer is incorrect. The question emphasizes two things - 1) the model has already been trained 2) the solution should be expedient. The given answer will be very slow to manually tag 1,000 images instead:

- 1.) upload all the images
- 2.) Get suggested tags
- 3.) Review the suggestions and confirm the tags

reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/custom-vision-service/suggested-tags>

   upvoted 74 times

✉  **Derin_tade** 1 year, 8 months ago

Thank you.

   upvoted 1 times

✉  **vominhtri854** 1 year, 7 months ago

When you tag images for a Custom Vision model, the service uses the latest trained iteration of the model to predict the labels of untagged images
we need latest trained to predict the labels, but this isn NOT HAVE ANY ASSOCIATED DATA

   upvoted 3 times

✉  **STH** **Most Recent** 8 months ago

Answer is correct.

When uploading all images from a same folder, you can tag all of them with the same value at the same time.

Then you wont tag all 1000 images one by one, but only once by category (which is time saving as the question ask for).

Also, even if model is already trained, images are uploaded to workspace, and not to specific trained iteration.

You then cannot get tag suggestion when importing an image. There is none, that feature simply does not exist.

Try by yourself :

<https://learn.microsoft.com/en-us/training/modules/classify-images/5-exercise-custom-vision>

   upvoted 4 times

✉  **STH** 8 months ago

my bad the feature is real :

<https://learn.microsoft.com/en-us/azure/cognitive-services/custom-vision-service/suggested-tags>

so right answer is

- Upload all
- Get suggested tags
- Review and confirm tags

   upvoted 3 times

✉  **Eltooth** 10 months, 1 week ago

Answer given would be only option IF model had not already been trained with images, so...
I agree with SuperPetey et al...

Upload

Get suggested tags

Review and confirm tags

   upvoted 2 times

✉  **Number00** 12 months ago

I agree with SuperPetey. The answer should be

- 1.) upload all the images
- 2.) Get suggested tags
- 3.) Review the suggestions and confirm the tags

Reason being that using the tools(suggested tags) would still applied to the new 1000 images item, even if those 1000 images doesn't associate with the original data pool. So, that means tagging even 1 less images using the suggested tags would still be faster than manually tagging them.

<https://docs.microsoft.com/en-us/azure/cognitive-services/custom-vision-service/suggested-tags>

   upvoted 3 times

✉  **reachmymind** 1 year, 2 months ago

- 1.) Upload all the images
- 2.) Get suggested tags
- 3.) Review the suggestions and confirm the tags

If an image does not have any associated TAG, we can add a new one while reviewing

<https://docs.microsoft.com/en-us/azure/cognitive-services/custom-vision-service/getting-started-improving-your-classifier>

   upvoted 1 times

✉  **Ravnit** 1 year, 5 months ago

Was on exam 27/11/2021

   upvoted 1 times

✉  **EXCEL1177** 1 year, 8 months ago

@superpetey, kindly read through the article in the link you shared, I just did and confirmed from it that the provided answer by the platform is correct.

   upvoted 3 times

✉  **angie31** 1 year, 7 months ago

"You should only request suggested tags for images whose content has already been trained once. Don't get suggestions for a new tag that you're just beginning to train." And the question says RETRAINING of an existing model to which we are adding new images. So the response is actually wrong and @superpetey is correct

   upvoted 2 times

✉  **angie31** 1 year, 7 months ago

AHHHH but the key word is 'DO NOT HAVE ANY ASSOCIATED DATA'. So the content of images is brand new!!! Therefore we cant use suggester and the response is correct!

   upvoted 4 times

✉  **ThomasKong** 1 year, 4 months ago

I support your highlighted point to the right point. So the given answer should be correct.

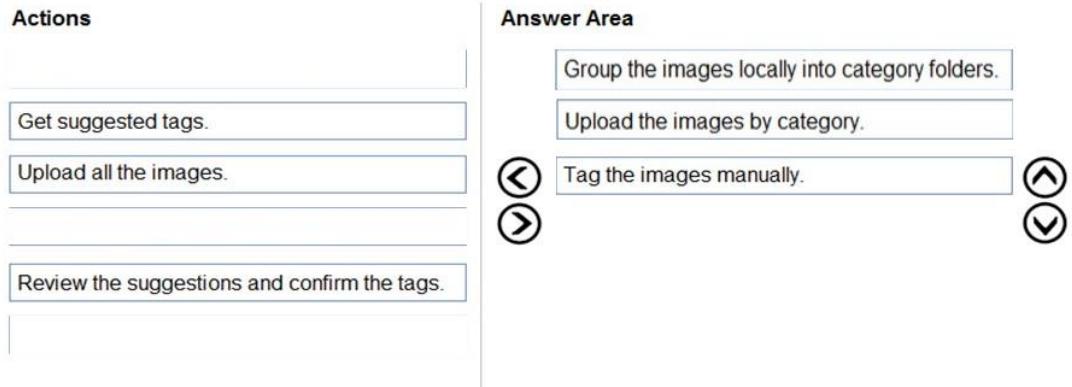
   upvoted 1 times

✉  **GilEdwards** 1 year, 4 months ago

I disagree, the images are unlabeled, but there is nothing in the text of the question mentioning that there are new tags. I agree with SuperPetey.

   upvoted 3 times

ET Answer:



Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/custom-vision-service/getting-started-build-a-classifier>

Question 3

You are building a Conversational Language Understanding model for an e-commerce chatbot. Users can speak or type their billing address when prompted by the chatbot.

You need to construct an entity to capture billing addresses.

Which entity type should you use?

- A. machine learned
- B. Regex
- C. list
- D. Pattern.any

ET User: A

<https://learn.microsoft.com/en-us/azure/cognitive-services/LUIS/concepts/entities#ml-entity-with-structure>

✉️  Internal_Koala  8 months, 3 weeks ago

Selected Answer: A

The link provided mentions addresses under 'ML Entities with Structure'. Will be hard to identify all possible international addresses with RegEx.

   upvoted 7 times

✉️  Richi0907  8 months, 1 week ago

Selected Answer: A

it should be A

   upvoted 1 times

✉️  praticewizards 8 months, 1 week ago

Selected Answer: A

A - MACHine Learned

in documentation

<https://learn.microsoft.com/en-us/azure/cognitive-services/LUIS/concepts/entities#ml-entity-with-structure>

- ML Entity with Structure

An ML entity can be composed of smaller sub-entities, each of which can have its own properties. For example, an Address entity could have the following structure:

Address: 4567 Main Street, NY, 98052, USA

Building Number: 4567

Street Name: Main Street

State: NY

Zip Code: 98052

Country: USA

   upvoted 2 times

✉️  Sharks82 8 months, 2 weeks ago

A. machine learned

   upvoted 2 times

ET Answer: B

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-concept-entity-types>

Question 4

You are building an Azure WebJob that will create knowledge bases from an array of URLs.

You instantiate a QnAMakerClient object that has the relevant API keys and assign the object to a variable named client.

You need to develop a method to create the knowledge bases.

Which two actions should you include in the method? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Create a list of FileDTO objects that represents data from the WebJob.
- B. Call the client.Knowledgebase.CreateAsync method.
- C. Create a list of QnADTO objects that represents data from the WebJob.
- D. Create a CreateKbDTO object.

ET User: BD

<https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/quickstarts/quickstart-sdk?tabs=v1%2Cversion-1&pivots=programming-language-csharp#create-a-knowledge-base>

✉  **czmiel24**  1 year, 9 months ago

It should be BD.

   upvoted 28 times

✉  **SuperPetey** 1 year, 9 months ago

Correct - see code example here: <https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/quickstarts/quickstart-sdk?tabs=v1%2Cversion-1&pivots=programming-language-csharp>

   upvoted 5 times

✉  **vominhtri854** 1 year, 7 months ago

A knowledge base stores question and answer pairs for the CreateKbDTO object from three sources:

- For editorial content, use the QnADTO object.

To use metadata and follow-up prompts, use the editorial context, because this data is added at the individual QnA pair level.

- For files, use the FileDTO object. The FileDTO includes the filename as well as the public URL to reach the file.

- For URLs, use a list of strings to represent publicly available URLs.

So I believe A and C correct

   upvoted 3 times

✉️  **EliteAllen** **Most Recent** 1 day, 17 hours ago

Selected Answer: BD

- B. Call the client.Knowledgebase.CreateAsync method.
- D. Create a CreateKbDTO object.

To create a knowledge base using the QnAMakerClient, you would need to create a CreateKbDTO object that contains the details of the knowledge base to be created. This object would include information such as the name of the knowledge base and the URLs of the documents to be included in the knowledge base.

After creating the CreateKbDTO object, you would then call the client.Knowledgebase.CreateAsync method, passing in the CreateKbDTO object as a parameter. This method would create the knowledge base and return a response that includes the ID of the newly created knowledge base.

   upvoted 1 times

✉️  **SSJA** 5 months, 1 week ago

Selected Answer: BD

B & D is the correct answers.

   upvoted 1 times

✉️  **taer** 8 months ago

Selected Answer: BD

It should be BD.

   upvoted 1 times

✉️  **RamonKaus** 10 months ago

Selected Answer: BD

I agree with Eltooth & czmiel

code from MS:

```
var createOp = await client.Knowledgebase.CreateAsync(createKbDto);
```

<https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/quickstarts/quickstart-sdk?tabs=v1%2Cversion-1&pivots=programming-language-csharp#create-a-knowledge-base>

   upvoted 2 times

✉️  **Eltooth** 10 months, 1 week ago

Selected Answer: BD

B and D are correct answers.

<https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/quickstarts/quickstart-sdk?tabs=v1%2Cversion-1&pivots=programming-language-csharp#create-a-knowledge-base>

   upvoted 1 times

✉️  **reachmymind** 1 year, 2 months ago

Answer :: B & D

A. Create a list of FileDTO objects that represents data from the WebJob.

NO - as it is from URL - so optional

B. Call the client.Knowledgebase.CreateAsync method.

YES - Mandatory to Call the Method

C. Create a list of QnADTO objects that represents data from the WebJob.

NO - as it is from URL - so optional

D. Create a CreateKbDTO object.

YES - Mandatory to Create

Go through the lines starting line 92 at below URL:

https://github.com/Azure-Samples/cognitive-services-qnamaker-csharp/blob/master/documentation-samples/quickstarts/Knowledgebase_Quickstart/Program.cs

   upvoted 4 times

✉️  **ninja** 9 months, 1 week ago

I agreed.

You are building an Azure WebJob that will create knowledge bases from an array of `#URLS#`.

You could use FileDTO, QnADTO or urls to create the CreateKbDTO. Hence, FileDTO is not mandatory.

Code snippet from the link provided by reachmymind:

```
var createKbDto = new CreateKbDTO
{
    Name = "QnA Maker FAQ from c# quickstart",
    QnaList = new List<QnADTO> { qna1 },
    //Files = new List<FileDTO> { file1 },
   Urls = urls
};
```

   upvoted 3 times

✉️  **AzureJobsTillRetire** 2 months, 3 weeks ago

DTO is data transfer object. You can use CreateKbDTO to create a knowledge base data transfer object that contains URLs and then call the client.Knowledgebase.CreateAsync method to create a knowledge base.

   upvoted 1 times

✉️  **torekx** 1 year, 7 months ago

should be bcd options based on

<https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/quickstarts/quickstart-sdk?tabs=v1%2Cversion-1&pivots=programming-language-csharp#create-a-knowledge-base>

   upvoted 1 times

✉️  **GMKanon** 1 year, 8 months ago

Should be BC rather.

   upvoted 2 times

ET Answer: AC

<https://docs.microsoft.com/en-us/rest/api/cognitiveservices-qnamaker/qnamaker4.0/knowledgebase/create>

Question 5

HOTSPOT -

You are developing an application that includes language translation. The application will translate text retrieved by using a function named `getTextToBeTranslated`. The text can be in one of many languages. The content of the text must remain within the Americas Azure geography.

You need to develop code to translate the text to a single language.

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

```
 . . .
var endpoint =
    "https://api.cognitive.microsofttranslator.com/translate"
    "https://api.cognitive.microsofttranslator.com/transliterate"
    "https://api-apc.cognitive.microsofttranslator.com/detect"
    "https://api-nam.cognitive.microsofttranslator.com/detect"
    "https://api-nam.cognitive.microsofttranslator.com/translate"
;

var apiKey = "FF956C68883B21B38691ABD200A4C606";
var text = getTextToBeTranslated();
var body = '[{"Text":"' + text + '"}]';
var client = new HttpClient();
client.DefaultRequestHeaders.Add("Ocp-Apim-Subscription-Key", apiKey);

var uri = endpoint + "?from=en";
var uri = endpoint + "?suggestedFrom=en";
var uri = endpoint + "?to=en";

HttpResponseMessage response;
var content = new StringContent(body, Encoding.UTF8, "application/json");
var response = await client.PutAsync(uri, content);
. . .
```

ET User: 有争议

Box 1: api-nam/translate : <https://docs.microsoft.com/en-us/azure/cognitive-services/translator/reference/v3-0-reference#base-urls>

Box 2: "?to=en";

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

  **Shourya007**  1 year, 4 months ago

Wrong , correct answer is both last option.
api-nam.cognitive.microsofttranslator.com
'?to=en'

   upvoted 7 times

✉️  **RAN_L** Most Recent 2 months, 1 week ago

```
var endpoint = "https://api-nam.cognitive.microsofttranslator.com/translate";
var apiKey = "FF956C68883821838691A8D200A4C606";
var text = getTextToBeTranslated();
var body = "[{\\"Text\\":\"" + text + "\\\"]}";
var client = new HttpClient();
client.DefaultRequestHeaders.Add("Ocp-Apim-Subscription-Key", apiKey);
var uri = endpoint + "?to=en";
var content = new StringContent(body, Encoding.UTF8, "application/json");
HttpResponseMessage response = await client.PutAsync(uri, content);
string translatedText = await response.Content.ReadAsStringAsync();
```

   upvoted 1 times

✉️  **Eltooth** 10 months, 1 week ago

Box 1: api-nam/translate : <https://docs.microsoft.com/en-us/azure/cognitive-services/translator/reference/v3-0-reference#base-urls>

Box 2: "?to=en";

   upvoted 1 times

✉️  **PHD_CHENG** 11 months, 2 weeks ago

Was on exam 7 Jun 2022

   upvoted 1 times

✉️  **Ravnit** 1 year, 5 months ago

Was on exam 27/11/2021

   upvoted 3 times

✉️  **Adedoyin_Simeon** 1 year, 6 months ago

SuperPetey is correct.

ref:

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

   upvoted 3 times

✉️  **alan007** 1 year, 9 months ago

wrong for first choice, should be API.cognitive...../translate

   upvoted 4 times

✉️  **SuperPetey** 1 year, 9 months ago

incorrect - the question specifies it should be routed to the Americas region. The correct answer for box 1 is api-nam.cognitive.microsofttranslator.com/translate according to doc @

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

I agree second drop-down is '?to=en'

   upvoted 30 times

ET Answer:

Answer Area

```
    . . .
var endpoint = [
    "https://api.cognitive.microsofttranslator.com/translate",
    "https://api.cognitive.microsofttranslator.com/transliterate",
    "https://api-apc.cognitive.microsofttranslator.com/detect",
    "https://api-nam.cognitive.microsofttranslator.com/detect",
    "https://api-nam.cognitive.microsofttranslator.com/translate"
];
var apiKey = "FF956C68883B21B38691ABD200A4C606";
var text = getTextToBeTranslated();
var body = '[{"Text":"' + text + '"}]';
var client = new HttpClient();
client.DefaultRequestHeaders.Add("Ocp-Apim-Subscription-Key", apiKey);

var uri = endpoint + "?from=en";
var uri = endpoint + "?suggestedFrom=en";
var uri = endpoint + "?to=en";

HttpResponseMessage response;
var content = new StringContent(body, Encoding.UTF8, "application/json");
var response = await client.PutAsync(uri, content);
. . .
```

Question 6

You are building a conversational language understanding model.

You need to enable active learning.

What should you do?

- A. Add show-all-intents=true to the prediction endpoint query.
- B. Enable speech priming.
- C. Add log=true to the prediction endpoint query.
- D. Enable sentiment analysis.

Answer: C

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-how-to-review-endpoint-utterances#log-user-queries-to-enable-active-learning>

<https://docs.microsoft.com/en-us/azure/cognitive-services/LUIS/how-to/improve-application>

✉️  **marti_tremblay000** 2 months, 1 week ago

Log user queries to enable active learning

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

<https://learn.microsoft.com/en-us/azure/cognitive-services/LUIS/how-to/improve-application>

   upvoted 1 times

✉️  **Marilena96** 3 months ago

To enable active learning in a conversational language understanding model, you should add show-all-intents=true to the prediction endpoint query. This will allow you to see all the intents that the model is predicting, including the None intent.[0] This information can be used to improve the model by adding more training data for the None intent or other intents that are not being predicted accurately.

   upvoted 1 times

✉️  **Eltooth** 10 months, 1 week ago

Selected Answer: C

C is the correct answer.

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

<https://docs.microsoft.com/en-us/azure/cognitive-services/LUIS/how-to/improve-application#log-user-queries-to-enable-active-learning>

   upvoted 4 times

✉️  **jekko** 1 year ago

Correct.

Reference: <https://docs.microsoft.com/en-us/azure/cognitive-services/LUIS/how-to/improve-application>

   upvoted 1 times

Question 7

HOTSPOT -

You run the following command.

```
docker run --rm -it -p 5000:5000 --memory 10g --cpus 2 \
mcr.microsoft.com/azure-cognitive-services/textanalytics/sentiment\
Eula=accept \
Billing={ENDPOINT_URI} \
ApiKey={API_KEY}
```

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:

Answer Area

Statements	Yes	No
Going to http://localhost:5000/status will query the Azure endpoint to verify whether the API key used to start the container is valid.	<input type="radio"/>	<input type="radio"/>
The container logging provider will write log data.	<input type="radio"/>	<input type="radio"/>
Going to http://localhost:5000/swagger will provide the details to access the documentation for the available endpoints.	<input type="radio"/>	<input type="radio"/>

Answer:

Answer Area

Statements	Yes	No
Going to http://localhost:5000/status will query the Azure endpoint to verify whether the API key used to start the container is valid.	<input checked="" type="radio"/>	<input type="radio"/>
The container logging provider will write log data.	<input checked="" type="radio"/>	<input type="radio"/>
Going to http://localhost:5000/swagger will provide the details to access the documentation for the available endpoints.	<input checked="" type="radio"/>	<input type="radio"/>

Box 1: Yes -

http://localhost:5000/status : Also requested with GET, this verifies if the api-key used to start the container is valid without causing an endpoint query.

Box 2: Yes -

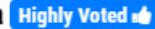
The command saves container and LUIS logs to output mount at C:\output, located on container host

Box 3: Yes -

<http://localhost:5000/swagger> : The container provides a full set of documentation for the endpoints and a Try it out feature. With this feature, you can enter your settings into a web-based HTML form and make the query without having to write any code. After the query returns, an example CURL command is provided to demonstrate the HTTP headers and body format that's required.

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-container-howto>

  **Internal_Koala**  8 months, 3 weeks ago

Yes

No

Yes

Log location is not mounted. The ET answer relates to an example provided on the given website which DOES mount a log location.

   upvoted 8 times

  **odisor**  1 month ago

I think the first one is YES

<https://learn.microsoft.com/en-us/azure/cognitive-services/language-service/text-analytics-for-health/how-to/use-containers?tabs=language#validate-that-a-container-is-running>

   upvoted 1 times

  **MDawson** 1 month, 2 weeks ago

Documentation says it will NOT cause an endpoint query, so I think the first one should be NO

   upvoted 1 times

Question 8

You are building a Language Understanding model for an e-commerce platform.

You need to construct an entity to capture billing addresses.

Which entity type should you use for the billing address?

- A. machine learned
- B. Regex
- C. geographyV2
- D. Pattern.any
- E. list

ET User: 与 CQ3-3 题干有些细小的差别，答案一样

A (82%)

B (18%)

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/concepts/entities>

<https://docs.microsoft.com/en-us/azure/cognitive-services/LUIS/concepts/entities#ml-entity-with-structure>

✉️  **ExamPrep2021**  1 year, 11 months ago

My guess is A.

An ML entity can be composed of smaller sub-entities, each of which can have its own properties. For example, Address could have the following structure:

Address: 4567 Main Street, NY, 98052, USA

Building Number: 4567

Street Name: Main Street

State: NY

Zip Code: 98052

Country: USA

   upvoted 25 times

✉️  **LKLK10**  1 year, 11 months ago

ML. Answer is A

   upvoted 10 times

✉️  **azurelearner666** 1 year, 10 months ago

Right! (the correct response is A, Machine Learned)

See

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-concept-entity-types>

It is a Machine Learned Entity (check ML Entity with Structure in the link, as it is an Address example...)

   upvoted 10 times

✉ ap1234pa **Most Recent** 4 months ago

Selected Answer: A

Wherever it is address it is ML

👍 ↗️ 🏴 upvoted 2 times

✉ David_ml 7 months, 1 week ago

Selected Answer: A

A is correct

👍 ↗️ 🏴 upvoted 2 times

✉ Nebary 9 months ago

Selected Answer: A

It is 100% A

👍 ↗️ 🏴 upvoted 2 times

✉ ExamGuruBhai 9 months, 2 weeks ago

Selected Answer: A

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/concepts/entities>

👍 ↗️ 🏴 upvoted 1 times

✉ RamonKaus 10 months ago

Selected Answer: B

Its regex. Udemy agrees.

👍 ↗️ 🏴 upvoted 3 times

✉ Eltooth 10 months, 1 week ago

Selected Answer: A

A is correct answer.

👍 ↗️ 🏴 upvoted 1 times

✉ Saby2184 1 year, 1 month ago

ML Entity with Structure

An ML entity can be composed of smaller sub-entities, each of which can have its own properties. For example, an Address entity could have the following structure:

Address: 4567 Main Street, NY, 98052, USA

Building Number: 4567

Street Name: Main Street

State: NY

Zip Code: 98052

Country: USA

<https://docs.microsoft.com/en-us/azure/cognitive-services/LUIS/concepts/entities#ml-entity-with-structure>

👍 ↗️ 🏴 upvoted 2 times

✉ arsalanramin 1 year, 1 month ago

A is Correct,

👍 ↗️ 🏴 upvoted 1 times

✉ arpitexam 1 year, 2 months ago

Selected Answer: A

A is correct

👍 ↗️ 🏴 upvoted 3 times

✉️  **Deepusuraj** 1 year, 3 months ago

Selected Answer: A

ML Entity with Structure

An ML entity can be composed of smaller sub-entities, each of which can have its own properties. For example, an Address entity could have the following structure:

Address: 4567 Main Street, NY, 98052, USA

Building Number: 4567

Street Name: Main Street

State: NY

Zip Code: 98052

Country: USA

   upvoted 3 times

✉️  **Contactfornitish** 1 year, 4 months ago

Was on exam 02/01/2022

   upvoted 1 times

✉️  **16914521** 1 year, 4 months ago

Regex is the correct one

Refer:-

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-concept-entity-types>

   upvoted 1 times

✉️  **yozora** 1 year, 5 months ago

B option reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-concept-entity-types>

   upvoted 1 times

✉️  **Abrar001** 1 year, 7 months ago

The Correct answer is A

   upvoted 3 times

✉️  **Abrar001** 1 year, 7 months ago

Answer is A

   upvoted 3 times

✉️  **LPreethi** 1 year, 10 months ago

We cannot say it's the prebuilt geographyV2 entity because it is used to detect places. Good example for flight booking. <https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-reference-prebuilt-geographyv2?tabs=V3>. So, correct answer is A as per this link <https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-concept-entity-types> (refer ML entity with structure section)

   upvoted 2 times

✉️  **Omobonike** 1 year, 11 months ago

I think the answer is geographyv2 because it searches specifically for places.

   upvoted 7 times

ET Answer: B

A regular expression entity extracts an entity based on a regular expression pattern you provide. It ignores case and ignores cultural variant. Regular expression is best for structured text or a predefined sequence of alphanumeric values that are expected in a certain format. For example:

Incorrect Answers:

C: The prebuilt geographyV2 entity detects places. Because this entity is already trained, you do not need to add example utterances containing GeographyV2 to the application intents. GeographyV2 entity is supported in English culture.

The geographical locations have subtypes:

D: Pattern.any is a variable-length placeholder used only in a pattern's template utterance to mark where the entity begins and ends.

E: A list entity represents a fixed, closed set of related words along with their synonyms. You can use list entities to recognize multiple synonyms or variations and extract a normalized output for them. Use the recommend option to see suggestions for new words based on the current list.

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-concept-entity-types>

Question 9

You need to upload speech samples to a Speech Studio project for use in training.

How should you upload the samples?

- A. Combine the speech samples into a single audio file in the .wma format and upload the file.
- B. Upload a .zip file that contains a collection of audio files in the .wav format and a corresponding text transcript file.
- C. Upload individual audio files in the FLAC format and manually upload a corresponding transcript in Microsoft Word format.
- D. Upload individual audio files in the .wma format.

Answer: B

To upload your data, navigate to the Speech Studio . From the portal, click Upload data to launch the wizard and create your first dataset. You'll be asked to select a speech data type for your dataset, before allowing you to upload your data.

The default audio streaming format is WAV

Use this table to ensure that your audio files are formatted correctly for use with Custom Speech:

Property	Value
File format	RIFF (WAV)
Sample rate	8,000 Hz or 16,000 Hz
Channels	1 (mono)
Maximum length per audio	2 hours
Sample format	PCM, 16-bit
Archive format	.zip
Maximum archive size	2 GB

<https://docs.microsoft.com/en-us/azure/cognitive-services/speech-service/how-to-custom-speech-test-and-train>

Question 10

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.

NOTE: Each correct selection is worth one point.

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

Answer: CDF

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>

✉  **Aztek0403** 5 months, 4 weeks ago

Selected Answer: CDF

Correct!

   upvoted 1 times

✉  **RamonKaus** 10 months ago

Selected Answer: CDF

Agreed

   upvoted 1 times

✉  **Eltooth** 10 months, 1 week ago

Selected Answer: CDF

C, D and F are correct answers.

textType=html

to=el

toScript=Latn

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

   upvoted 2 times

Question 11

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.

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

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>

<https://docs.microsoft.com/en-us/azure/bot-service/bot-service-debug-emulator?view=azure-bot-service-4.0&tabs=csharp>

✉  **Eltooth** 10 months, 1 week ago

Selected Answer: CE

C and E are correct answers.

   upvoted 2 times

✉  **PHD_CHENG** 1 year ago

Selected Answer: CE

Answer is correct.

<https://docs.microsoft.com/en-us/azure/bot-service/bot-service-debug-emulator?view=azure-bot-service-4.0&tabs=csharp>

   upvoted 2 times

Question 12

DRAG DROP -

You are building a retail chatbot that will use a QnA Maker service.

You upload an internal support document to train the model. The document contains the following question: "What is your warranty period?"

Users report that the chatbot returns the default QnA Maker answer when they ask the following question: "How long is the warranty coverage?"

The chatbot returns the correct answer when the users ask the following question: 'What is your warranty period?"

Both questions should return the same answer.

You need to increase the accuracy of the chatbot responses.

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.

Select and Place:

Actions	Answer Area
Add a new question and answer (QnA) pair.	
Retrain the model.	
Add additional questions to the document.	
Republish the model.	
Add alternative phrasing to the question and answer (QnA) pair.	

Answer:

Actions	Answer Area
Add a new question and answer (QnA) pair.	Add alternative phrasing to the question and answer (QnA) pair.
Retrain the model.	Retrain the model.
Add additional questions to the document.	
Republish the model.	Republish the model.
Add alternative phrasing to the question and answer (QnA) pair.	

Step 1: Add alternative phrasing to the question and answer (QnA) pair.

Add alternate questions to an existing QnA pair to improve the likelihood of a match to a user query.

Step 2: Retrain the model.

Periodically select Save and train after making edits to avoid losing changes.

Step 3: Republish the model -

Note: A knowledge base consists of question and answer (QnA) pairs. Each pair has one answer and a pair contains all the information associated with that answer.

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/how-to/edit-knowledge-base>

✉️  **RamonKaus** 10 months ago

Correct

   upvoted 2 times

✉️  **Eltooth** 10 months, 1 week ago

Answer looks correct.

Add alternative phrasing

Retrain

Republish

   upvoted 3 times

Question 13

You are training a Language Understanding model for a user support system.

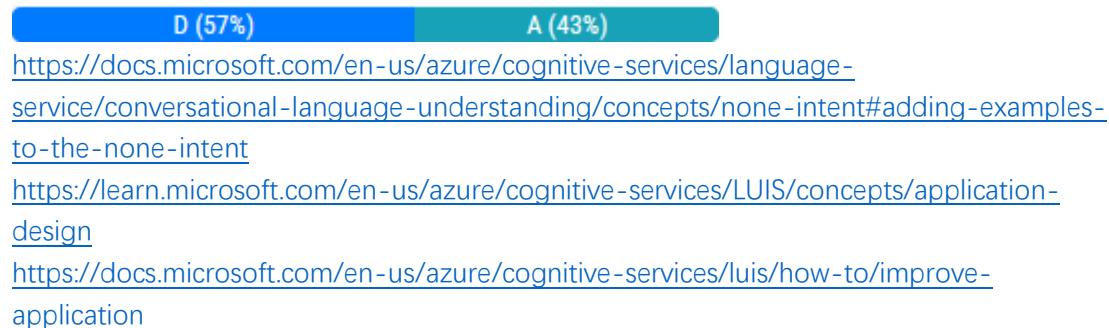
You create the first intent named GetContactDetails and add 200 examples.

You need to decrease the likelihood of a false positive.

What should you do?

- A. Enable active learning.
- B. Add a machine learned entity.
- C. Add additional examples to the GetContactDetails intent.
- D. Add examples to the None intent.

ET User:



✉ Isidro **Highly Voted** 12 months ago

I would say is D) as per the following: <https://docs.microsoft.com/en-us/azure/cognitive-services/language-service/conversational-language-understanding/concepts/none-intent#adding-examples-to-the-none-intent>

Like Share Flag upvoted 17 times

✉ mk1967 8 months, 2 weeks ago

Agreed, as stated in the link:
"You should also consider adding false positive examples to the None intent."

Like Share Flag upvoted 3 times

✉ Marilena96 **Most Recent** 3 months ago

To decrease the likelihood of a false positive, you can add additional examples to the GetContactDetails intent. This will help the model to better understand the intent and reduce the likelihood of false positive predictions.

Like Share Flag upvoted 2 times

✉ Rob77 6 days, 22 hours ago

Nope, 20-30 examples per intent is recommended. See <https://learn.microsoft.com/en-us/azure/cognitive-services/LUIS/concepts/application-design#create-example-utterances-for-each-intent>

Like Share Flag upvoted 1 times

✉ ap1234pa 4 months ago

Selected Answer: D

As explained in MS Document
"false positive" = None intent

Like Share Flag upvoted 1 times

✉ ap1234pa 4 months, 1 week ago

Selected Answer: D

Add examples to "None" intent

Like Share Flag upvoted 1 times

- SSJA 5 months, 1 week ago
Selected Answer: D
Answer is D.
Reference - <https://learn.microsoft.com/en-us/azure/cognitive-services/LUIS/concepts/application-design>
 upvoted 1 times
- GigaCaster 6 months, 4 weeks ago
Selected Answer: A
My reasoning for active learning is that it will be better in the long run whereas None intent is but a temporary fix to the current issue.
 upvoted 2 times
- Internal_Koala 8 months, 1 week ago
Selected Answer: D
As described by Isidro and mk1967.
 upvoted 1 times
- nekkilodeon 9 months, 1 week ago
Definitely D)
Adding examples to None reduces the chances of selecting the wrong intent.
 upvoted 1 times
- ninja 9 months, 1 week ago
Selected Answer: A
The requirement is to decrease the likelihood of a false positive, ie utterances that are identified as GetContactDetails intent are not actually GetContactDetails intent. Initially created 200 examples may not be optimal.
As such, active learning can help turning utterances queries.
"The process of reviewing endpoint utterances for correct predictions is called Active learning. Active learning captures queries that are sent to the endpoint, and selects user utterances that it is unsure of. You review these utterances to select the intent and mark the entities for these real-world utterances. Then you can accept these changes into your app's example utterances. "
- <https://docs.microsoft.com/en-us/azure/cognitive-services/luis/how-to/improve-application>
 upvoted 1 times

ET Answer: A

Active learning is a technique of machine learning in which the machine learned model is used to identify informative new examples to label. In LUIS, active learning refers to adding utterances from the endpoint traffic whose current predictions are unclear to improve your model.

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-glossary>

Question 14

DRAG DROP -

You are building a Language Understanding model for purchasing tickets.

You have the following utterance for an intent named PurchaseAndSendTickets.

Purchase [2 audit business] tickets to [Paris] [next Monday] and send tickets to [email@domain.com]

You need to select the entity types. The solution must use built-in entity types to minimize training data whenever possible.

Which entity type should you use for each label? To answer, drag the appropriate entity types to the correct labels. Each entity type 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.

Select and Place:

Entity Types

- Email
- List
- Regex
- GeographyV2
- Machine learned

Answer Area

Paris:

email@domain.com:

2 audit business:

Answer:

Entity Types

- Email
- List
- Regex
- GeographyV2
- Machine learned

Answer Area

Paris:

 GeographyV2

email@domain.com:

 Email

2 audit business:

 Machine learned

Box 1: GeographyV2 -

The prebuilt geographyV2 entity detects places. Because this entity is already trained, you do not need to add example utterances containing GeographyV2 to the application intents.

Box 2: Email -

Email prebuilt entity for a LUIS app: Email extraction includes the entire email address from an utterance. Because this entity is already trained, you do not need to add example utterances containing email to the application intents.

Box 3: Machine learned -

The machine-learning entity is the preferred entity for building LUIS applications.

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-reference-prebuilt-geographyv2>

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-reference-prebuilt-email>

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/reference-entity-machine-learned-entity>

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-reference-prebuilt-geographyv2?tabs=V3>

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-reference-prebuilt-email?tabs=V3-verbose>

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/reference-entity-machine-learned-entity?tabs=V3>

✉️  **Eltooth** 10 months, 1 week ago

Answer is correct :

Geography v2 :

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-reference-prebuilt-geographyv2?tabs=V3>

Email :

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-reference-prebuilt-email?tabs=V3-verbose>

Machine Learned :

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/reference-entity-machine-learned-entity?tabs=V3>

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/concepts/entities>

   upvoted 3 times

✉️  **sdokmak** 11 months ago

Correct.

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-reference-prebuilt-email?tabs=V3>

   upvoted 1 times

Question 15

You have the following C# method.

```
static void create_resource(string resource_name, string kind, string account_tier, string location)
{
    CognitiveServicesAccount parameters =
        new CognitiveServicesAccount(null, null, kind, location, resource_name, new CognitiveServicesAccountProperties(), new Sku(account_tier));
    var result = cog_svc_client.Accounts.Create(resource_group_name, account_tier, parameters);
}
```

You need to deploy an Azure resource to the East US Azure region. The resource will be used to perform sentiment analysis.

How should you call the method?

- A. create_resource("res1", "ContentModerator", "S0", "eastus")
- B. create_resource("res1", "TextAnalytics", "S0", "eastus")
- C. create_resource("res1", "ContentModerator", "Standard", "East US")
- D. create_resource("res1", "TextAnalytics", "Standard", "East US")

Answer: B

To perform sentiment analysis, we specify TextAnalytics, not ContentModerator.

Possible SKU names include: 'F0' 'F1' 'S0' 'S1' 'S2' 'S3' 'S4' 'S5' 'S6' 'S7' 'S8'

Possible location names include: westus, eastus

Reference:

<https://docs.microsoft.com/en-us/powershell/module/az.cognitiveservices/new-azcognitiveservicesaccount>

✉ ap1234pa 4 months, 1 week ago

Selected Answer: B

B is correct

   upvoted 1 times

✉ Eltooth 10 months, 1 week ago

Selected Answer: B

Correct answer is B.

create_resource("res1", "TextAnalytics", "S0", "eastus")

Note TextAnalysis will be rebranded into Cognitive Services for Language Service

   upvoted 2 times

✉ PHD_CHENG 11 months, 2 weeks ago

Was on exam 7 Jun 2022

   upvoted 1 times

✉ PHD_CHENG 1 year ago

Selected Answer: B

Answer is correct

   upvoted 3 times

Question 16

You build a Language Understanding model by using the Language Understanding portal. You export the model as a JSON file as shown in the following sample.

```
{  
  "text": "average amount of rain by month at chicago last year",  
  "intent": "Weather.CheckWeatherValue",  
  "entities": [  
    {  
      "entity": "Weather.WeatherRange",  
      "startPos": 0,  
      "endPos": 6,  
      "children": []  
    },  
    {  
      "entity": "Weather.WeatherCondition",  
      "startPos": 18,  
      "endPos": 21,  
      "children": []  
    },  
    {  
      "entity": "Weather.Historic",  
      "startPos": 23,  
      "endPos": 30,  
      "children": []  
    }  
  ]  
}
```

To what does the Weather.Historic entity correspond in the utterance?

- A. by month
- B. chicago
- C. rain
- D. location

Answer: A

✉  **RamonKaus** 10 months ago

Selected Answer: A

Agreed!

   upvoted 2 times

✉  **Eltooth** 10 months, 1 week ago

Selected Answer: A

A is correct answer.

   upvoted 1 times

Question 17

You are examining the Text Analytics output of an application.

The text analyzed is: `Our tour guide took us up the Space Needle during our trip to Seattle last week.'

The response contains the data shown in the following table.

Text	Category	ConfidenceScore
Tour guide	PersonType	0.45
Space Needle	Location	0.38
Trip	Event	0.78
Seattle	Location	0.78
Last week	DateTime	0.80

Which Text Analytics API is used to analyze the text?

- A. Entity Linking
- B. Named Entity Recognition
- C. Sentiment Analysis
- D. Key Phrase Extraction

Answer: B

Named Entity Recognition (NER) is one of the features offered by Azure Cognitive Service for Language, a collection of machine learning and AI algorithms in the cloud for developing intelligent applications that involve written language. The NER feature can identify and categorize entities in unstructured text. For example: people, places, organizations, and quantities.

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/language-service/named-entity-recognition/overview>

 ap1234pa 4 months, 1 week ago

Selected Answer: B

B is correct

   upvoted 1 times

 halfway 6 months, 1 week ago

Selected Answer: B

From the link in the answer: "The NER feature can identify and categorize entities in unstructured text. For example: people, places, organizations, and quantities."

   upvoted 1 times

Question 18

You need to measure the public perception of your brand on social media by using natural language processing.

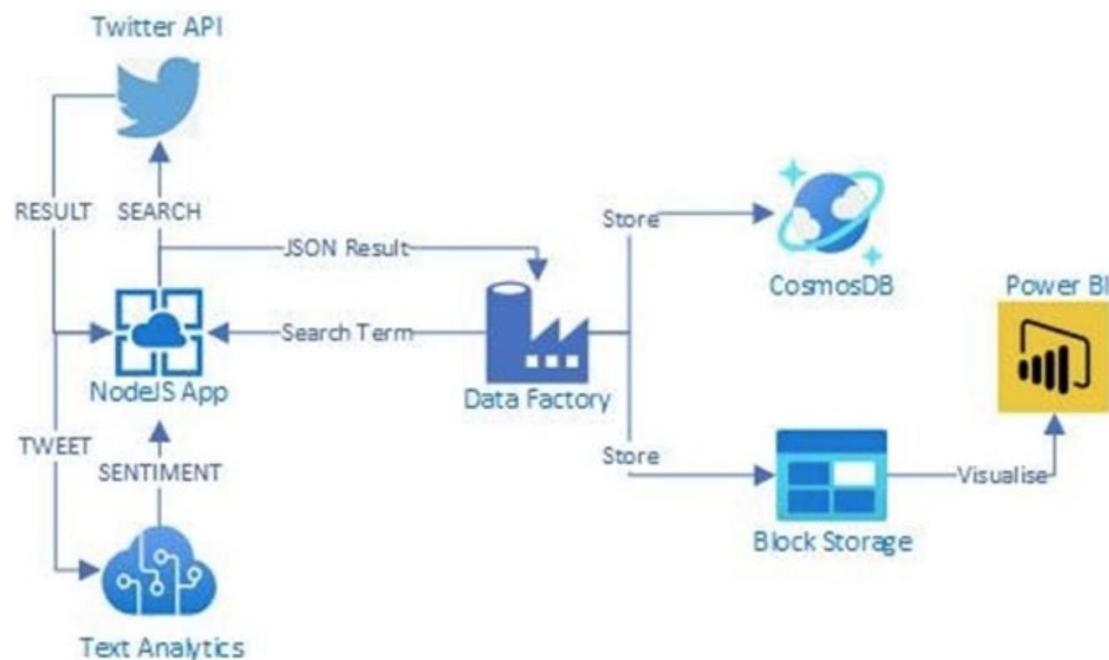
Which Azure service should you use?

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

Answer: A

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>

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

Question 19

You need to measure the public perception of your brand on social media by using natural language processing.

Which Azure service should you use?

- A. Language service
- B. Content Moderator
- C. Computer Vision
- D. Form Recognizer

Answer: A

Azure Cognitive Service for Language is a cloud-based service that provides Natural Language Processing (NLP) features for understanding and analyzing text.

Use this service to help build intelligent applications using the web-based Language Studio, REST APIs, and client libraries.

Note: Natural language processing (NLP) has many uses: sentiment analysis, topic detection, language detection, key phrase extraction, and document categorization.

Reference:

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

<https://azure.microsoft.com/en-us/products/cognitive-services/text-analytics/#features>

👤 **halfway** 6 months ago

Selected Answer: A

Text Analytics, sentiment analysis: <https://azure.microsoft.com/en-us/products/cognitive-services/text-analytics/#features>

👍 🔍 ⚡ upvoted 1 times

Question 20

HOTSPOT -

You are developing an application that includes language translation.

The application will translate text retrieved by using a function named `get_text_to_be_translated`. The text can be in one of many languages. The content of the text must remain within the Americas Azure geography.

You need to develop code to translate the text to a single language.

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

```
    . . .
    api_key = "FF956C68B83B21B38691ABD200A4C606"
    text = get_text_to_be_translated()
    headers = {
        'Content-Type': 'application/json',
        'Ocp-Apim-Subscription-Key': api_key
    }
    body = {
        'Text': text
    }
    conn = httplib.HTTPSConnection
        ("api.cogninve.microsofttranslator.com")
        ("api-apc.cognitive.microsofttranslator.com")
        ("api-nam.cognitive.microsofttranslator.com")
    conn.request("POST",
        "/translate?fr=nl&to=en"
        "/translate?from=en&suggestedFrom=en"
        "/translate?to=en"
        "/detect?to=en"
        "/detect?from=en"
    )
    response = conn.getresponse()
    response_data = response.read()
    . . .
```

Answer:

Answer Area

```
    . . .
    api_key = "FF956C68B83B21B38691ABD200A4C606"
    text = get_text_to_be_translated()
    headers = {
        'Content-Type': 'application/json',
        'Ocp-Apim-Subscription-Key': api_key
    }
    body = {
        'Text': text
    }
    conn = httplib.HTTPSConnection
    conn.request("POST", "/translate?to=en", str(body), headers)
    response = conn.getresponse()
    response_data = response.read()
    . . .
```

("api.cogninve.microsofttranslator.com")
("api-apc.cognitive.microsofttranslator.com")
("api-nam.cognitive.microsofttranslator.com")

"/translate?fr=en"
"/translate?suggestedFrom=en"
"/translate?to=en"
"/detect?to=en"
"/detect?from=en"

Box 1: ("api-nam.cognitive.microsofttranslator.com")

Geography USA: api-nam.cognitive.microsofttranslator.com

Datacenters: East US, South Central US, West Central US, and West US 2

Box 2: "/translate?to=en"

Must specify the language which it is being translated to. The 'to' parameter is required

Reference:

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

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

 **Davard** 8 months ago

The answer seems correct to me. api.nam would keep it within the US.

   upvoted 3 times

Question 21

You have the following data sources:

- ☞ Finance: On-premises Microsoft SQL Server database
- ☞ Sales: Azure Cosmos DB using the Core (SQL) API
- ☞ Logs: Azure Table storage
- ☞ HR: Azure SQL database

You need to ensure that you can search all the data by using the Azure Cognitive Search REST API.

What should you do?

- A. Migrate the data in HR to Azure Blob storage.
- B. Migrate the data in HR to the on-premises SQL server.
- C. Export the data in Finance to Azure Data Lake Storage.
- D. Ingest the data in Logs into Azure Sentinel.

Answer: C

In Azure Cognitive Search, a data source is used with indexers, providing the connection information for ad hoc or scheduled data refresh of a target index, pulling data from supported Azure data sources.

Note: Supported data sources -

Indexers crawl data stores on Azure and outside of Azure.

Amazon Redshift (in preview)

Azure Blob Storage -

Azure Cosmos DB -

Azure Data Lake Storage Gen2 -

Azure MySQL (in preview)

Azure SQL Database -

Azure Table Storage -

Elasticsearch (in preview)

PostgreSQL (in preview)

Salesforce Objects (in preview)

Salesforce Reports (in preview)

Smartsheet (in preview)

Snowflake (in preview)

Azure SQL Managed Instance -

SQL Server on Azure Virtual Machines

Azure Files (in preview)

<https://docs.microsoft.com/en-us/azure/search/search-indexer-overview#supported-data-sources>

<https://learn.microsoft.com/en-us/azure/search/search-indexer-overview>

 **halfway** 6 months ago

Selected Answer: C

<https://learn.microsoft.com/en-us/azure/search/search-indexer-overview>

   upvoted 2 times

Question 22

You have a Language service resource that performs the following:

- Sentiment analysis
- Named Entity Recognition (NER)
- Personally Identifiable Information (PII) identification

You need to prevent the resource from persisting input data once the data is analyzed.

Which query parameter in the Language service API should you configure?

- A. model-version
- B. piiCategories
- C. showStats
- D. loggingOptOut

Answer: D

<https://learn.microsoft.com/en-us/legal/cognitive-services/language-service/data-privacy>

✉️ marti_tremblay000 2 months, 1 week ago

Selected Answer: D

The LoggingOptOut parameter is true by default for the PII and health feature endpoints.
Reference <https://learn.microsoft.com/en-us/legal/cognitive-services/language-service/data-privacy>

👍👎👎 upvoted 2 times

✉️ marti_tremblay000 2 months, 1 week ago

ChatGPT confirms :

To prevent the resource from persisting input data once the data is analyzed, you should configure the loggingOptOut query parameter in the Language service API. Setting the value of loggingOptOut to true will prevent the service from logging or storing the input data after analysis.

Therefore, the correct answer is D. loggingOptOut.

👍👎👎 upvoted 1 times

Question 23

You have an Azure Cognitive Services model named Model1 that identifies the intent of text input.

You develop an app in C# named App1.

You need to configure App1 to use Model1.

Which package should you add to App1?

- A. Universal.Microsoft.CognitiveServices.Speech
- B. SpeechServicesToolkit
- C. Azure.AI.Language.Conversations
- D. Xamarin.Cognitive.Speech

ET User: C

<https://learn.microsoft.com/en-us/samples/azure/azure-sdk-for-net/azureailanguageconversations-samples/>

✉ Pffffff 4 weeks, 1 day ago

Selected Answer: C

ChatGPT: The package you should add to App1 to use Model1 is C. Azure.AI.Language.Conversations.

Azure.AI.Language.Conversations is a package that provides the Language Understanding (LUIS) service, which can be used to identify the intent of text input. This package contains classes for authenticating with the LUIS service and sending text to the service to obtain intent and entity information.

Like 0 Upvote 1 times

✉ marti_tremblay000 2 months, 1 week ago

ChatGPT says the correct answer isn't even listed :

To configure App1 to use Model1, you should add the Azure.AI.TextAnalytics package to the project. This package provides the necessary libraries and functionality to integrate with Azure Cognitive Services text analytics models such as Model1.

Therefore, the correct answer is not listed among the options. The correct answer is Azure.AI.TextAnalytics.

Like 0 Upvote 1 times

✉ marti_tremblay000 2 months, 1 week ago

Selected Answer: C

The question is about the intent of text input. It has nothing to do with speech.

Therefore the Azure.AI.Language.Conversations is the answer :

Conversation Analysis is a cloud-based conversational AI service that applies custom machine-learning intelligence to a user's conversational, natural language text to predict overall meaning, and pull out relevant, detailed information.

Reference : <https://learn.microsoft.com/en-us/samples/azure/azure-sdk-for-net/azureailanguageconversations-samples/>

Like 0 Upvote 2 times

ET Answer: A

Question 24

HOTSPOT -

You are building content for a video training solution.

You need to create narration to accompany the video content. The solution must use Custom Neural Voice.

What should you use to create a custom neural voice, and which service should you use to generate the narration? To answer, select the appropriate options in the answer area.

NOTE: Each correct answer is worth one point.

Answer Area

Custom neural voice:

- Microsoft Bot Framework Composer
- The Azure portal
- The Language Understanding portal
- The Speech Studio portal

Narration:

- Language Understanding
- Speaker Recognition
- Speech-to-text
- Text-to-speech

Answer:

Answer Area

Custom neural voice:

- Microsoft Bot Framework Composer
- The Azure portal
- The Language Understanding portal
- The Speech Studio portal

Narration:

- Language Understanding
- Speaker Recognition
- Speech-to-text
- Text-to-speech

 **marti_tremblay000** 2 months, 1 week ago

The answer is correct. Speech Studio and text to speech.

   upvoted 1 times

Question 25

You are building a social media extension that will convert text to speech. The solution must meet the following requirements:

- Support messages of up to 400 characters.
- Provide users with multiple voice options.
- Minimize costs.

You create an Azure Cognitive Services resource.

Which Speech API endpoint provides users with the available voice options?

- A. <https://uksouth.api.cognitive.microsoft.com/speechtotext/v3.0/models/base>
- B. <https://uksouth.customvoice.api.speech.microsoft.com/api/texttospeech/v3.0/longaudiosynthesis/voices>
- C. <https://uksouth.tts.speech.microsoft.com/cognitiveservices/voices/list>
- D. <https://uksouth.voice.speech.microsoft.com/cognitiveservices/v1?deploymentId={deploymentId}>

ET User:

C (75%) **B (25%)**

<https://learn.microsoft.com/en-us/azure/cognitive-services/speech-service/rest-text-to-speech?tabs=streaming>

✉ **Pffffff** 4 weeks, 1 day ago

Selected Answer: B

ChatGPT: The Speech API endpoint that provides users with the available voice options is B.

👍 ↗ 📌 upvoted 1 times

✉ **marti_tremblay000** 2 months, 1 week ago

Selected Answer: C

The correct answer is C

The question is about providing users with all the available voice options.

Get a list of voices

You can use the tts.speech.microsoft.com/cognitiveservices/voices/list endpoint to get a full list of voices for a specific region or endpoint.

Reference : <https://learn.microsoft.com/en-us/azure/cognitive-services/speech-service/rest-text-to-speech?tabs=streaming>

👍 ↗ 📌 upvoted 3 times

✉ **MaliSanFuu** 1 week, 1 day ago

Agreeing, as the only important question is: Which Speech API endpoint provides users with the available voice options?

Therefor answer C should be correct for this one

👍 ↗ 📌 upvoted 1 times

ET Answer: D

Question 26

You develop a custom question answering project in Azure Cognitive Service for Language.

The project will be used by a chatbot.

You need to configure the project to engage in multi-turn conversations.

What should you do?

- A. Add follow-up prompts.
- B. Enable active learning.
- C. Add alternate questions.
- D. Enable chit-chat.

Answer: A

<https://learn.microsoft.com/en-us/azure/cognitive-services/qnamaker/how-to/multi-turn>

✉  **tzuyichao** 1 month, 3 weeks ago

Ref: <https://learn.microsoft.com/en-us/azure/cognitive-services/qnamaker/how-to/multi-turn>

   upvoted 2 times

✉  **marti_tremblay000** 2 months, 1 week ago

Selected Answer: A

ChatGPT confirms :

To configure the project to engage in multi-turn conversations, you should add follow-up prompts. Follow-up prompts are a way to ask additional questions or provide more information to help the user clarify their intent. By adding follow-up prompts, the chatbot can engage in a back-and-forth conversation with the user to gather additional information and ultimately provide a better answer.

Therefore, the correct answer is A. Add follow-up prompts.

   upvoted 1 times

Question 27

HOTSPOT -

You are building a solution that students will use to find references for essays.

You use the following code to start building the solution.

```
using Azure;
using System;
using Azure.AI.TextAnalytics;

private static readonly AzureKeyCredential credentials = new AzureKeyCredential("<key>");
private static readonly Uri endpoint = new Uri("<endpoint>");

static void EntityLinker(TextAnalyticsClient client)
{
    var response = client.RecognizeLinkedEntities(
        "Our tour guide took us up the Space Needle during our trip to Seattle last week.");
}
```

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

NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
The code will detect the language of documents.	<input type="radio"/>	<input type="radio"/>
The <code>url</code> attribute returned for each linked entity will be a Bing search link.	<input type="radio"/>	<input type="radio"/>
The <code>matches</code> attribute returned for each linked entity will provide the location in a document where the entity is referenced.	<input type="radio"/>	<input type="radio"/>

Answer:

Answer Area

Statements	Yes	No
The code will detect the language of documents.	<input type="radio"/>	<input checked="" type="radio"/>
The <code>url</code> attribute returned for each linked entity will be a Bing search link.	<input checked="" type="radio"/>	<input type="radio"/>
The <code>matches</code> attribute returned for each linked entity will provide the location in a document where the entity is referenced.	<input checked="" type="radio"/>	<input type="radio"/>

<https://learn.microsoft.com/en-us/rest/api/cognitiveservices-textanalytics/3.0/entities-linking/entities-linking?tabs=HTTP>

✉️  **MDawson** 1 month, 2 weeks ago

documentation says url CAN be bing, although the examples all show Wikipedia links. Confusing...

   upvoted 1 times

✉️  **WhyWhyYellowYellow** 1 month, 3 weeks ago

Y

N

Y

<https://learn.microsoft.com/en-us/rest/api/cognitiveservices-textanalytics/3.0/entities-linking/entities-linking?tabs=HTTP>

   upvoted 1 times

Question 28

DRAG DROP -

You develop an app in C# named App1 that performs speech-to-speech translation.

You need to configure App1 to translate English to German.

How should you complete the SpeechTranslationConfig object? 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
addTargetLanguage	
speechSynthesisLanguage	
speechRecognitionLanguage	
voiceName	

```
var translationConfig = SpeechTranslationConfig.FromSubscription(SPEECH_SUBSCRIPTION_KEY, SPEECH_SERVICE_REGION);
translationConfig. speechRecognitionLanguage = "en-US";
translationConfig. speechSynthesisLanguage ("de");
```

ET User:

- 1) SpeechRecognitionLanguage
- 2) AddTargetLanguage

<https://microsoftlearning.github.io/AI-102-AIEngineer.de-de/Instructions/08-translate-speech.html>

✉️  **MaliSanFuu** 1 week, 1 day ago

Agreeing with @WinzigWeich

Answer should be:

- 1) SpeechRecognitionLanguage
- 2) AddTargetLanguage

   upvoted 1 times

✉️  **WinzigWeich** 1 week, 5 days ago

<https://microsoftlearning.github.io/AI-102-AIEngineer.de-de/Instructions/08-translate-speech.html>
C# Part

translationConfig.SpeechRecognitionLanguage
translationConfig.AddTargetLanguage

   upvoted 1 times

ET Answer:

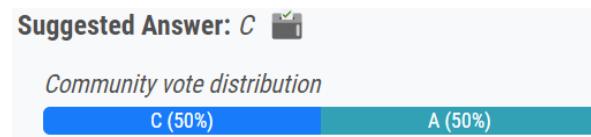
Answer Area

```
var translationConfig = SpeechTranslationConfig.FromSubscription(SPEECH_SUBSCRIPTION_KEY, SPEECH_SERVICE_REGION);
translationConfig. speechRecognitionLanguage = "en-US";
translationConfig. speechSynthesisLanguage ("de");
```

Question 29

You are building a retail kiosk system that will use a custom neural voice.
You acquire audio samples and consent from the voice talent.
You need to create a voice talent profile.
What should you upload to the profile?

- A. a .zip file that contains 10-second .wav files and the associated transcripts as .txt files
- B. a five-minute .flac audio file and the associated transcript as a .txt file
- C. a .wav or .mp3 file of the voice talent consenting to the creation of a synthetic version of their voice
- D. a five-minute .wav or .mp3 file of the voice talent describing the kiosk system



<https://learn.microsoft.com/en-us/azure/cognitive-services/speech-service/how-to-custom-voice-talent>

✉️  **mVic** 22 hours, 1 minute ago

Selected Answer: C

C is correct, as per below documentation.

<https://learn.microsoft.com/en-us/azure/cognitive-services/speech-service/how-to-custom-voice-talent>
   upvoted 1 times

✉️  **hcgkzsf** 3 weeks, 1 day ago

Selected Answer: A

A is correct.

   upvoted 1 times

Question 30

HOTSPOT -

You are building a text-to-speech app that will use a custom neural voice.

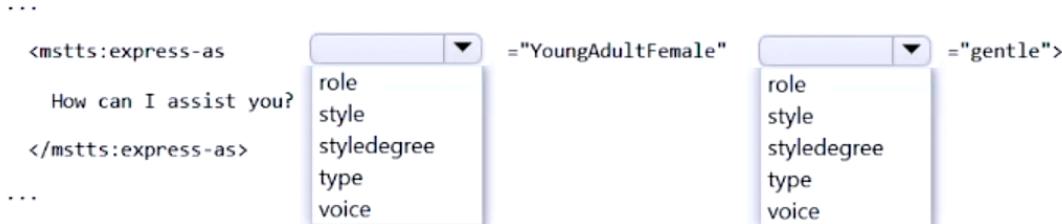
You need to create an SSML file for the app. The solution must ensure that the voice profile meets the following requirements:

- Expresses a calm tone
- Imitates the voice of a young adult female

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

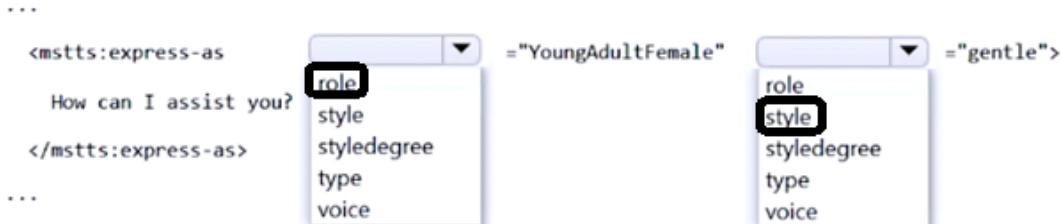
NOTE: Each correct selection is worth one point.

Answer Area



Answer:

Answer Area



<https://learn.microsoft.com/en-us/azure/cognitive-services/speech-service/speech-synthesis-markup-voice>

✉️ WinzigWeich 1 week, 5 days ago

correct <https://learn.microsoft.com/en-us/azure/cognitive-services/speech-service/speech-synthesis-markup-voice>

👍 ↗️ 🏴️ upvoted 1 times

Question 31

HOTSPOT -

You have a collection of press releases stored as PDF files.

You need to extract text from the files and perform sentiment analysis.

Which service should you use for each task? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Extract text:

Azure Cognitive Search
Computer Vision
Form Recognizer

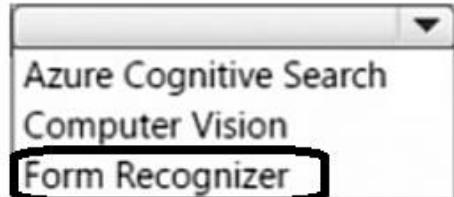
Perform sentiment analysis:

Azure Cognitive Search
Computer Vision
Form Recognizer
Language

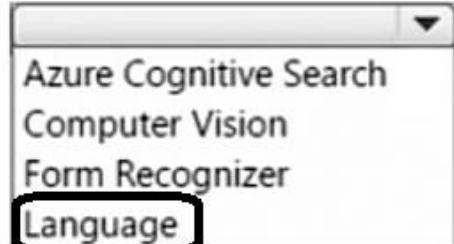
Answer:

Answer Area

Extract text:



Perform sentiment analysis:



✉ MaliSanFuu 1 week, 1 day ago

I think the answer is correct as the FormRecognizer supports the ability for document analysis. There you can easily use the API to extract printed or handwritten text from images and documents.

Like Reply Flag upvoted 1 times

✉ MaliSanFuu 1 week, 1 day ago

easily use*

Like Reply Flag upvoted 1 times

✉ Pffffff 4 weeks, 1 day ago

The service you should use to extract text from the PDF files is B. Computer Vision.

Computer Vision has the ability to extract text from images and PDF files, making it a suitable choice for this scenario. Once the text has been extracted, you can then use a text analytics service, such as the Azure Cognitive Services Text Analytics API, to perform sentiment analysis on the extracted text.

Azure Cognitive Search is a search-as-a-service solution that allows you to index and search structured and unstructured data. It can also extract text from PDF files, but it may not provide the level of accuracy required for sentiment analysis.

Form Recognizer is a service that is designed to extract structured data from forms, such as receipts, invoices, and business cards. It may not be the best choice for extracting text from press releases.

Like Reply Flag upvoted 1 times

Question 32

You have a text-based chatbot.

You need to enable content moderation by using the Text Moderation API of Content Moderator.

Which two service responses should you use? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. personal data
- B. the adult classification score
- C. text classification
- D. optical character recognition (OCR)
- E. the racy classification score

Suggested Answer: AC 

Community vote distribution

BE (100%)

<https://learn.microsoft.com/en-us/azure/cognitive-services/content-moderator/api-reference>

  **DDD6** 2 days, 3 hours ago

Answer is correct.

The reference URL:

<https://learn.microsoft.com/en-us/azure/cognitive-services/content-moderator/api-reference>

   upvoted 1 times

  **EliteAllen** 3 weeks, 1 day ago

Selected Answer: BE

B. the adult classification score

E. the racy classification score

To enable content moderation in a text-based chatbot using the Text Moderation API of Content Moderator, you should use the adult classification score (B) and the racy classification score (E). These scores will help you determine if the content is adult or racy in nature, enabling you to take appropriate action for moderation purposes.

   upvoted 2 times

Question 33

You train a Conversational Language Understanding model to understand the natural language input of users.

You need to evaluate the accuracy of the model before deploying it.

What are two methods you can use? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. From the language authoring REST endpoint, retrieve the model evaluation summary.
- B. From Language Studio, enable Active Learning, and then validate the utterances logged for review.
- C. From Language Studio, select Model performance.
- D. From the Azure portal, enable log collection in Log Analytics, and then analyze the logs.

新题，评论较少，有争议。

Suggested Answer: AC 📈

Community vote distribution

BC (100%)

SmallFire 1 day, 4 hours ago

Active Learning cannot be initiated prior to the deployment of the model. The primary purpose of the 'Active Learning' feature is to leverage actual user interaction data to enhance the model's understanding capabilities. This is a continuous learning and optimization process that takes place after the model has been deployed and put into actual use.
so the answer is AC.

upvoted 1 times

sheldon73 1 week, 1 day ago

Selected Answer: BC

Google Bard Answer : Sure, here are two methods you can use to evaluate the accuracy of a Conversational Language Understanding model before deploying it:

From Language Studio, select Model performance. This will show you a summary of the model's performance, including the F1 score, precision, and recall.
From Language Studio, enable Active Learning, and then validate the utterances logged for review. This will allow you to manually review utterances that the model has misclassified, and then retrain the model with the corrected data.
Here are the correct answers to your question:

- C. From Language Studio, select Model performance.
- B. From Language Studio, enable Active Learning, and then validate the utterances logged for review.

upvoted 1 times

Common Question 4

Question 1

HOTSPOT -

You are developing a text processing solution.

You develop the following method.

```
static void GetKeyPhrases(TextAnalyticsClient textAnalyticsClient, string text)
{
    var response = textAnalyticsClient.ExtractKeyPhrases(text);
    Console.WriteLine("Key phrases:");

    foreach (string keyphrase in response.Value)
    {
        Console.WriteLine($"{keyphrase}");
    }
}
```

You call the method by using the following code.

```
GetKeyPhrases(textAnalyticsClient, "the cat sat on the mat");
```

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:

Answer Area

Statements	Yes	No
The call will output key phrases from the input string to the console.	<input type="radio"/>	<input type="radio"/>
The output will contain the following words: the, cat, sat, on, and mat.	<input type="radio"/>	<input type="radio"/>
The output will contain the confidence level for key phrases.	<input type="radio"/>	<input type="radio"/>

Answer:

Answer Area

Statements	Yes	No
The call will output key phrases from the input string to the console.	<input checked="" type="radio"/>	<input type="radio"/>
The output will contain the following words: the, cat, sat, on, and mat.	<input type="radio"/>	<input checked="" type="radio"/>
The output will contain the confidence level for key phrases.	<input type="radio"/>	<input checked="" type="radio"/>

Box 1: Yes -

The Key Phrase Extraction API evaluates unstructured text, and for each JSON document, returns a list of key phrases.

Box 2: No -

'the' is not a key phrase.

This capability is useful if you need to quickly identify the main points in a collection of documents. For example, given input text "The food was delicious and there were wonderful staff", the service returns the main talking points: "food" and "wonderful staff".

Box 3: No -

Key phrase extraction does not have confidence levels.

Reference:

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

[https://github.com/Azure/azure-sdk-for-](https://github.com/Azure/azure-sdk-for-net/blob/master/sdk/textanalytics/Azure.AI.TextAnalytics/samples/Sample3_ExtractKeyPhrases.md)

[net/blob/master/sdk/textanalytics/Azure.AI.TextAnalytics/samples/Sample3_ExtractKeyPhrases.md](https://github.com/Azure/azure-sdk-for-net/blob/master/sdk/textanalytics/Azure.AI.TextAnalytics/samples/Sample3_ExtractKeyPhrases.md)

<https://docs.microsoft.com/en-us/azure/cognitive-services/text-analytics/quickstarts/client-libraries-rest-api?tabs=version-3-1&pivots=programming-language-csharp#key-phrase-extraction>

✉  **joecruz**  1 year, 11 months ago

I think the answer is correct

   upvoted 19 times

✉  **Eooth**  10 months, 1 week ago

Answer is correct.

Yes

No

No

   upvoted 1 times

✉  **Ravnit** 1 year, 5 months ago

Was on exam 27/11/2021

   upvoted 3 times

✉  **Adedoyin_Simeon** 1 year, 10 months ago

The answer is correct

   upvoted 4 times

✉  **azurelearner666** 1 year, 10 months ago

The response is correct.

Check the sample code at https://github.com/Azure/azure-sdk-for-net/blob/master/sdk/textanalytics/Azure.AI.TextAnalytics/samples/Sample3_ExtractKeyPhrases.md

   upvoted 4 times

✉  **WillyMac** 1 year, 11 months ago

The First option is also NO.

The code doesn't function, because "response" is of Type "KeyPhraseCollection", and this Class is a `ReadOnlyCollection<string>` and does not have a definition for: "Value"

   upvoted 1 times

   upvoted 2 times

✉  **cavefish** 1 year, 11 months ago

response is of type `Response<KeyPhraseCollection>`, so value is the field with the result collection <https://docs.microsoft.com/en-us/azure/cognitive-services/text-analytics/quickstarts/client-libraries-rest-api?tabs=version-3-1&pivots=programming-language-csharp#key-phrase-extraction>

Question 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.

ET User: C

✉️ **Nouna** Highly Voted 1 year, 11 months ago

logically it should be C. A can not be the answer as you regenerated the secondary key after you already add to your app. the right order to minimize downtime is to regenerate the secondary, add to your app and then regenerate the primary

upvoted 43 times

✉️ **satisfk4u** 1 year ago

wondering why should we regenerate the secondary key when primary key is compromised.

upvoted 1 times

✉️ **RamonKaus** 10 months ago

In order to keep zero downtime on your application, you need to make sure it has a key so it can use. You must assume both keys are compromised and get new keys.

upvoted 3 times

✉️ **GustavoR10** Highly Voted 1 year, 9 months ago

If you change the application to use the secondary key and then you regenerate the key the application is not going to work. So C is the right one.

upvoted 8 times

✉️ **ap1234pa** Most Recent 4 months, 1 week ago

Selected Answer: C

C is correct

upvoted 1 times

✉️ **slcheng** 5 months, 1 week ago

Selected Answer: C

Vote for C

upvoted 1 times

✉️ **marti_tremblay000** 5 months, 2 weeks ago

Selected Answer: C

C is the most logical. The order stated by the A answer doesn't make any sense.

upvoted 1 times

✉️ **Josua2020** 8 months ago

Selected Answer: C

Why not C?

upvoted 1 times

✉  **michasacuer** 8 months, 1 week ago

Selected Answer: D

More logic in D

   upvoted 1 times

✉  **Nebary** 8 months, 4 weeks ago

Selected Answer: C

Should be C

   upvoted 2 times

✉  **RamonKaus** 10 months ago

Selected Answer: C

Udemy course agrees

   upvoted 1 times

✉  **Etooth** 10 months, 1 week ago

Selected Answer: C

C is correct answer.

It is possible that the question is worded differently to exam question as exact same question is on Udemy course practice test - with a different wording to the answer (copy secondary key, update app to use secondary key, regenerate primary key).

   upvoted 1 times

✉  **arsalanramin** 1 year, 1 month ago

Given answer(A) is correct, if regenerate the secondary key it will maximize the downtime as no-one has the key.

   upvoted 1 times

✉  **aatlab** 1 year, 2 months ago

with all respect to your comments. We are talking about search (50 keys can be created here)

and we are talking about security review. Why in hell we should search with an admin key ? this is the reason why we have query keys . Please think about it. i will go for B

   upvoted 1 times

✉  **satisfk4u** 1 year ago

I think B is not correct. question says -> "management portal for indexing".

Admin keys grants full rights to all operations, including the ability to manage the service, create and delete indexes, indexers, and data sources
<https://docs.microsoft.com/en-us/azure/search/search-security-api-keys#regenerate-admin-keys>

   upvoted 1 times

✉  **ovokpus** 1 year, 6 months ago

C is the answer

   upvoted 5 times

✉  **MII1975** 1 year, 6 months ago

With C there is no downtime. And, it is not the case nor tested here, but K2 could be compromised as well.

The given answer is wrong, but the explanation it provides is correct, even that doesn't make sense answering A.

   upvoted 2 times

✉  **Rdninja** 1 year, 8 months ago

I think the answer should be B. Since it's a search resource. It's advised that Client apps use a query key rather than an admin key. You can then regenerate the admin keys.

   upvoted 2 times

✉  **ebor5** 1 year, 8 months ago

it is C. you'll get a 403 if you generate primary key without first switching over to the secondary key

   upvoted 1 times

✉  **azurelearner666** 1 year, 10 months ago

For downtime should be C.

A would provoke downtime.

   upvoted 3 times

✉  **Jenny1** 1 year, 11 months ago

The answer is A.

   upvoted 2 times

✉  **WillyMac** 1 year, 11 months ago

I think so.

In option A: change the app to use the secondary key, and then regenerate the secondary key ? . . . It has no sense

   upvoted 1 times

✉  **DanielCCH** 1 year, 11 months ago

Should be C?

   upvoted 3 times

✉  **cavefish** 1 year, 11 months ago

It is A, because you know the primary key is compromised and you must regenerate it ASAP.

   upvoted 3 times

✉  **dinesh_tng** 1 year, 8 months ago

If you regenerate Primary Key, your apps will stop working. So C is the correct answer.

   upvoted 5 times

✉  **ThomasKong** 1 year, 4 months ago

Point "stop working", I go with C.

   upvoted 1 times

ET Answer: A

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>

Question 3

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 containers. Create a Cognitive Search service for each container. Within each indexer definition, schedule the same runtime execution pattern.
- B. Split the data into multiple blob containers. Create an indexer for each container. Increase the search units. Within each indexer definition, schedule a sequential execution pattern.
- C. Create a Cognitive Search service for each type of document.
- D. Split the data into multiple virtual folders. Create an indexer for each folder. Increase the search units. Within each indexer definition, schedule the same runtime execution pattern.

Answer: D

Incorrect Answers:

A: Need more search units to process the data in parallel.

B: Run them in parallel, not sequentially.

C: Need a blob indexer.

Note: A blob indexer is used for ingesting content from Azure Blob storage into a Cognitive Search index.

Index large datasets -

Indexing blobs can be a time-consuming process. In cases where you have millions of blobs to index, you can speed up indexing by partitioning your data and using multiple indexers to process the data in parallel. Here's how you can set this up:

- ☞ Partition your data into multiple blob containers or virtual folders
- ☞ Set up several data sources, one per container or folder.
- ☞ Create a corresponding indexer for each data source. All of the indexers should point to the same target search index.
- ☞ One search unit in your service can run one indexer at any given time. Creating multiple indexers as described above is only useful if they actually run in parallel.

Reference:

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

<https://docs.microsoft.com/en-us/azure/search/search-howto-indexing-azure-blob-storage#index-large-datasets>

✉  **Eltooth** 10 months, 1 week ago

Selected Answer: D

D is correct answer.

Also marked correct on Udemy course practice test.

   upvoted 3 times

✉  **PHD_CHENG** 11 months, 2 weeks ago

Was on exam 7 Jun 2022

   upvoted 1 times

✉  **prabhjot** 1 year, 3 months ago

correct ans

   upvoted 1 times

✉  **azurelearner666** 1 year, 10 months ago

how to do this is defined here:

<https://docs.microsoft.com/en-us/azure/search/search-howto-indexing-azure-blob-storage#index-large-datasets>
The response is missing the data source creation for each virtual folder or blob container.

D is not correct, but the less wrong of a response...

So I give it a "pass", nowadays it is misleading and not fully correct...

   upvoted 2 times

✉  **azurelearner666** 1 year, 10 months ago

seems to be correct

   upvoted 2 times

Question 4

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

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>

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

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

Eltooth 10 months, 1 week ago

Selected Answer: ABE

A, B and E are correct answers.

To define a table projection, use the tables array in the projections property. A table projection has three required properties:

tableName: Determines the name of a new table created in Azure Table Storage.

generatedKeyName: Column name for the key that uniquely identifies each row. The value is system-generated. If you omit this property, a column will be created automatically that uses the table name and "key" as the naming convention.

source: A path to a node in an enrichment tree. The node should be a reference to a complex shape that determines which columns are created in the table.

<https://docs.microsoft.com/en-us/azure/search/knowledge-store-projections-examples#define-a-table-projection>

upvoted 1 times

PHD_CHENG 1 year ago

Selected Answer: ABE

Answer is correct. Below link shows the details

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

upvoted 4 times

✉️  **azurelearner666**  1 year, 10 months ago

Correct!

See <https://docs.microsoft.com/en-us/azure/search/knowledge-store-projection-overview#defineining-a-table-projection>

   upvoted 7 times

✉️  **reachmymind**  1 year, 2 months ago

tableName
generatedKeyName
source

JSON

```
"knowledgeStore": {  
  "storageConnectionString": "DefaultEndpointsProtocol=https;AccountName=<Acct Name>;AccountKey=<Acct Key>;",  
  "projections": [  
    {  
      "tables": [  
        { "tableName": "ks-museums-main", "generatedKeyName": "ID", "source": "/document/tableprojection" },  
        { "tableName": "ks-museumEntities", "generatedKeyName": "ID", "source": "/document/tableprojection/Entities/*" }  
      ],  
      "objects": [  
        { "storageContainer": "ks-museums", "generatedKeyName": "ID", "source": "/document/objectprojection" }  
      ],  
      "files": []  
    }  
  ]  
}
```

   upvoted 1 times

Question 5

HOTSPOT -

You are creating an enrichment pipeline that will use Azure Cognitive Search. The knowledge store contains unstructured JSON data and scanned PDF documents that contain text.

Which projection type should you use for each data type? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

JSON data:	<ul style="list-style-type: none">File projectionObject projectionTable projection
Scanned data:	<ul style="list-style-type: none">File projectionObject projectionTable projection

Answer:

Answer Area

JSON data:	<ul style="list-style-type: none">File projectionObject projectionTable projection
Scanned data:	<ul style="list-style-type: none">File projectionObject projectionTable projection

Box 1: Object projection -

Object projections are JSON representations of the enrichment tree that can be sourced from any node.

Box 2: File projection -

File projections are similar to object projections and only act on the normalized_images collection.

Reference:

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

<https://docs.microsoft.com/en-us/azure/search/knowledge-store-projection-overview#types-of-projections-and-usage>

azurlearn66 **Highly Voted** 1 year, 10 months ago

Correct!

upvoted 11 times

RamonKaus **Most Recent** 10 months ago

java script OBJECT notation (JSON)

upvoted 1 times

Eltooth 10 months ago

Object

File

<https://docs.microsoft.com/en-us/azure/search/knowledge-store-projection-overview#types-of-projections-and-usage>

upvoted 1 times

reachmymind 1 year, 2 months ago

Answer 1: Object Projection: Used when you need the full JSON representation of your data and enrichments in one JSON document. As with table projections, only valid JSON objects can be projected as objects, and shaping can help you do that.

Answer 2: File Projection: Used when you need to save normalized, binary image files, eg: Optical Character Recognition (OCR) extracts text from binary files

Not Answer: Table Projection: Used for data that's best represented as rows and columns, or whenever you need granular representations of your data (for example, as data frames). Table projections allow you to define a schematized shape, using a Shaper skill or use inline shaping to specify columns and rows.

upvoted 2 times

Deepusuraj 1 year, 3 months ago

Types of projections and usage

A knowledge store is a logical construction that's physically expressed as a loose collection of tables, JSON objects, or binary image files in Azure Storage.

TYPES OF PROJECTIONS AND USAGE

Projection Storage Usage

Tables Azure Table Storage Used for data that's best represented as rows and columns, or whenever you need granular representations of your data (for example, as data frames). Table projections allow you to define a schematized shape, using a Shaper skill or use inline shaping to specify columns and rows. You can organize content into multiple tables based on familiar normalization principles. Tables that are in the same group are automatically related.

Objects Azure Blob Storage Used when you need the full JSON representation of your data and enrichments in one JSON document. As with table projections, only valid JSON objects can be projected as objects, and shaping can help you do that.

Files Azure Blob Storage Used when you need to save normalized, binary image files.

upvoted 1 times

Question 6

HOTSPOT -

You are building an Azure Cognitive Search custom skill.

You have the following custom skill schema definition.

```
{  
    "@odata.type": "#Microsoft.Skills.Custom.WebApiSkill",  
    "description": "My custom skill description",  
    "uri": "https://contoso-webskill.azurewebsites.net/api/process",  
    "context": "/document/organizations/*",  
    "inputs": [  
        {  
            "name": "companyName",  
            "source": "/document/organizations/*"  
        }  
    ],  
    "outputs": [  
        {  
            "name": "companyDescription",  
        }  
    ]  
}
```

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

NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
------------	-----	----

CompanyDescription is available for indexing.

<input type="radio"/>	<input type="radio"/>
-----------------------	-----------------------

The definition calls a web API as part of the enrichment process.

<input type="radio"/>	<input type="radio"/>
-----------------------	-----------------------

The enrichment step is called only for the first organization under
"/document/organizations".

<input type="radio"/>	<input type="radio"/>
-----------------------	-----------------------

Answer:

Answer Area

Statements	Yes	No
------------	-----	----

CompanyDescription is available for indexing.

<input checked="" type="radio"/>	<input type="radio"/>
----------------------------------	-----------------------

The definition calls a web API as part of the enrichment process.

<input checked="" type="radio"/>	<input type="radio"/>
----------------------------------	-----------------------

The enrichment step is called only for the first organization under
"/document/organizations".

<input type="radio"/>	<input checked="" type="radio"/>
-----------------------	----------------------------------

Box 1: Yes -

Once you have defined a skillset, you must map the output fields of any skill that directly contributes values to a given field in your search index.

Box 2: Yes -

The definition is a custom skill that calls a web API as part of the enrichment process.

Box 3: No -

For each organization identified by entity recognition, this skill calls a web API to find the description of that organization.

Reference:

<https://docs.microsoft.com/en-us/azure/search/cognitive-search-output-field-mapping>

<https://learn.microsoft.com/en-us/azure/search/cognitive-search-concept-annotations-syntax>

<https://docs.microsoft.com/en-us/shows/AI-Show/Custom-Skills-in-Azure-Cognitive-Search>

⊕  **halfway** 6 months ago

The first answer is NO. This code snippet is a skill definition. The outputs need to be mapped before they are available for indexing:
<https://learn.microsoft.com/en-us/azure/search/cognitive-search-concept-annotations-syntax>

   upvoted 1 times

⊕  **AzureJobsTillRetire** 3 months ago

I think the first answer is YES. The outputs are available for indexing once mapped. If we answer no, it means that the outputs are not available for indexing, that would be incorrect.

   upvoted 1 times

⊕  **AzureJobsTillRetire** 3 months ago

It would also be incorrect to say that CompanyDescription can be indexed. The wording can be better, but in concept it is correct to say that the output column is available for future indexing.

   upvoted 1 times

⊕  **nekkilodeon** 9 months, 1 week ago

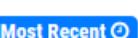
I'd say the box1 is NO. The property is available for mapping to an index property.

   upvoted 3 times

⊕  **vaskar**  1 year, 10 months ago

Answers are correct

   upvoted 6 times

⊕  **reachmymind**  1 year, 2 months ago

YES

YES

NO

<https://docs.microsoft.com/en-us/shows/AI-Show/Custom-Skills-in-Azure-Cognitive-Search>

   upvoted 1 times

⊕  **Ravnit** 1 year, 5 months ago

Was on exam 27/11/2021

   upvoted 3 times

Question 7

You have the following data sources:

- ☞ Finance: On-premises Microsoft SQL Server database
- ☞ Sales: Azure Cosmos DB using the Core (SQL) API
- ☞ Logs: Azure Table storage
- ☞ HR: Azure SQL database -

You need to ensure that you can search all the data by using the Azure Cognitive Search REST API.

What should you do?

- A. Configure multiple read replicas for the data in Sales.
- B. Mirror Finance to an Azure SQL database.
- C. Ingest the data in Logs into Azure Data Explorer.
- D. Ingest the data in Logs into Azure Sentinel.

Answer: B

On-premises Microsoft SQL Server database cannot be used as an index data source.

Note: Indexer in Azure Cognitive Search: : Automate aspects of an indexing operation by configuring a data source and an indexer that you can schedule or run on demand. This feature is supported for a limited number of data source types on Azure.

Indexers crawl data stores on Azure.

- ☞ Azure Blob Storage
- ☞ Azure Data Lake Storage Gen2 (in preview)
- ☞ Azure Table Storage
- ☞ Azure Cosmos DB
- ☞ Azure SQL Database
- ☞ SQL Managed Instance
- ☞ SQL Server on Azure Virtual Machines

<https://docs.microsoft.com/en-us/azure/search/search-indexer-overview#supported-data-sources>

✉  **slcheng** 5 months ago

Selected Answer: B

Agreed is B

   upvoted 1 times

✉  **Eltooth** 10 months, 1 week ago

Selected Answer: B

B is correct answer : Mirror Finance to an Azure SQL database.

<https://docs.microsoft.com/en-us/azure/search/search-indexer-overview#supported-data-sources>

   upvoted 3 times

Question 8

You are developing a solution to generate a word cloud based on the reviews of a company's products.

Which Text Analytics REST API endpoint should you use?

- A. keyPhrases
- B. sentiment
- C. languages
- D. entities/recognition/general

Answer: A

Reference:

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

<https://docs.microsoft.com/en-us/rest/api/cognitiveservices-textanalytics/3.0/key-phrases/key-words>

<https://devblogs.microsoft.com/premier-developer/creating-words-cloud-for-sentiment-analysis-with-azure-cognitive-services-text-analytics/>

- ✉ **Mli1975** Highly Voted 1 year, 6 months ago

I also thought it was B, but now I think given answer is correct:
Extracted from here
<https://docs.microsoft.com/en-us/azure/cognitive-services/language-service/key-phrase-extraction/tutorials/integrate-power-bi#create-the-word-cloud>
The key phrases provide us with the important words from our customer comments, not just the most common words. Also, word sizing in the resulting cloud isn't skewed by the frequent use of a word in a relatively small number of comments.

15 upvotes
- ✉ **TamHas** Highly Voted 1 year, 3 months ago

Selected Answer: A
correct
7 upvotes
- ✉ **s1cheng** Most Recent 5 months, 1 week ago

Selected Answer: A
Agreed with A
1 upvote
- ✉ **ExamGuruBhai** 9 months, 2 weeks ago

Selected Answer: A
correct
1 upvote
- ✉ **Eltooth** 10 months, 1 week ago

Selected Answer: A
A is correct answer.
1 upvote
- ✉ **ManAtWorkAtNight** 1 year ago

Answer is A. keyPhrases
Word Cloud is a set of most frequently appeared words(actually an image)
<https://docs.microsoft.com/en-us/rest/api/cognitiveservices-textanalytics/3.0/key-phrases/key-words>

3 upvotes
- ✉ **PHD_CHENG** 1 year ago

Selected Answer: A
I support "A" as answer as question is asking to develop a "Word cloud based" solution by reviewing of Company's product. (initially, I was thinking about "B" as an answer but I changed my mind.)
2 upvotes

✉  **prabhjot** 1 year, 3 months ago

Sentiment is correct one

   upvoted 1 times

✉  **SuperPeteY** 1 year, 9 months ago

Correct Answer should be "B":sentiment analysis because it is analyzing customer reviews. See this blog post from MSFT that uses sentiment analysis to create a word cloud application for the same purpose: <https://devblogs.microsoft.com/premier-developer/creating-word-cloud-for-sentiment-analysis-with-azure-cognitive-services-text-analytics/>

   upvoted 3 times

✉  **astralyt** 1 year, 9 months ago

It doesn't say analyzing it. Word clouds comprise of key phrases. So I think the answer is right.

   upvoted 21 times

Question 9

DRAG DROP -

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.

Select and Place

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.	

Answer:

Actions	Answer Area
Regenerate the secondary admin key.	
Change the app to use the secondary admin key.	
Regenerate the primary admin key.	

Reference:

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

 **guruaws2021**  1 year, 9 months ago

The answer is wrong
regenerated secondary key
update the app to use the secondary key
regenerated the primary key

   upvoted 21 times

 **czmeli24** 1 year, 8 months ago

Nope, the answer is correct. It's all about query keys which can be up to 50.
   upvoted 34 times

 **satishk4u** 1 year ago

No, it is about query key not admin key.
   upvoted 6 times

 **Adedoyin_Simeon**  1 year, 6 months ago

The answer is correct. The question specifically mentioned a read-only access to the documents which is achieved only through query keys. And it is a query key that was compromised. Any of the admin keys (primary and secondary) allows read-write operations. Hence, solution is to create a new query key, switch to the new query key and delete the compromised query key.

   upvoted 10 times

✉  **aiml** Most Recent 1 week, 2 days ago

The answer is correct. As its about query key and not for admin key.

   upvoted 1 times

✉  **Etooth** 10 months, 1 week ago

Answer is correct.

Add a new query key

Change the app to use the new key

Delete the compromised key

   upvoted 4 times

✉  **mohamedba** 10 months, 3 weeks ago

1. Regenerate 2nd key

2. Change the app to use the regenerated 2nd key

3. Regenerate the 1st key

   upvoted 1 times

✉  **Etooth** 10 months, 1 week ago

Wrong. There is no mention of primary or secondary key in this question.

The provided answer is correct:

Add a new query key

Change the app to use the new key

Delete the compromised key

   upvoted 1 times

✉  **reachmymind** 1 year, 2 months ago

Given Answer is Correct:

Add a new query key

Change the app to use the new key

Delete the compromised key

The key here is to not confuse "query Keys" with "admin keys"

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

   upvoted 4 times

✉  **angie31** 1 year, 7 months ago

The answer is correct. In order to have read only access when you call the search API you need to use query key.

   upvoted 2 times

✉  **GMKanon** 1 year, 8 months ago

Answer is correct since the question did not specify which of the keys was compromised, then both primary and secondary keys must be regenerated and no option for that.

   upvoted 3 times

✉  **SnowCheetah** 1 year, 8 months ago

The steps is for when ADMIN key is compromised. If it is only search API key compromised, the answer should be enough.

   upvoted 2 times

Question 10

You are developing an application that will use Azure Cognitive Search for internal documents.

You need to implement document-level filtering for Azure Cognitive Search.

Which three actions should you include in the solution? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Send Azure AD access tokens with the search request.
- B. Retrieve all the groups.
- C. Retrieve the group memberships of the user.
- D. Add allowed groups to each index entry.
- E. Create one index per group.
- F. Supply the groups as a filter for the search requests.

Answer: CDF

Your documents must include a field specifying which groups have access. This information becomes the filter criteria against which documents are selected or rejected from the result set returned to the issuer.

D: A query request targets the documents collection of a single index on a search service.

CF: In order to trim documents based on group_ids access, you should issue a search query with a group_ids/any(g:search.in(g, 'group_id1, group_id2,...')) filter, where 'group_id1, group_id2,...' are the groups to which the search request issuer belongs.

Reference:

<https://docs.microsoft.com/en-us/azure/search/search-security-trimming-for-azure-search>

CDF (60%)

BDF (30%)

10%

<https://docs.microsoft.com/en-us/azure/search/search-security-trimming-for-azure-search#create-security-field>

<https://docs.microsoft.com/en-us/azure/search/search-security-trimming-for-azure-search>

✉️👤 **ninja**  9 months, 1 week ago

Selected Answer: CDF

D: Add allowed groups to each index entry.
Your documents must include a field specifying which groups have access.

Reference:
<https://docs.microsoft.com/en-us/azure/search/search-security-trimming-for-azure-search#create-security-field>

C: You need to get the membership of the user

F: Supply the groups as a filter for the search requests.

"In order to trim documents based on group_ids access, you should issue a search query with a group_ids/any(g:search.in(g, 'group_id1, group_id2,...')) filter, where 'group_id1, group_id2,...' are the groups to which the search #request issuer belongs#."

Reference:

<https://docs.microsoft.com/en-us/azure/search/search-security-trimming-for-azure-search>

   upvoted 6 times

✉️👤 **marti_tremblay000**  2 months, 1 week ago

Selected Answer: ACF

According to ChatGPT, the correct answers are ACF :

To implement document-level filtering for Azure Cognitive Search, the following three actions should be included in the solution:

A. Send Azure AD access tokens with the search request: This will allow Azure Cognitive Search to authenticate the user and retrieve their group memberships.

C. Retrieve the group memberships of the user: This information is necessary to determine which documents the user is allowed to access.

F. Supply the groups as a filter for the search requests: This will allow you to filter the search results based on the user's group memberships.

Therefore, the correct answers are A, C, and F.

   upvoted 1 times

✉️👤 **not_a_robot** 9 months, 3 weeks ago

Selected Answer: BDF

Shouldn't the first step be getting all the groups? As when you create a security field, you'll need the the group ids. I'm not certain what the group membership of the user means.

   upvoted 3 times

✉️👤 **mk1967** 8 months, 2 weeks ago

I guess this is the user using the application, therefore we must get groups to which he belongs.

   upvoted 2 times

Question 11

You have an Azure Cognitive Search solution and an enrichment pipeline that performs Sentiment Analysis on social media posts.

You need to define a knowledge store that will include the social media posts and the Sentiment Analysis results.

Which two fields should you include in the definition? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. storageContainer
- B. storageConnectionString
- C. files
- D. tables
- E. objects

ET User:

BE (80%)	AB (20%)
----------	----------

 **EliteAllen** 3 weeks, 1 day ago
Selected Answer: AB
To define a knowledge store in Azure Cognitive Search that includes both the social media posts and the Sentiment Analysis results, you should include the following two fields in the definition:
A. storageContainer: This field specifies the Azure Blob Storage container where the enriched data will be stored. You need to define a storage container to hold the processed data from the enrichment pipeline.
B. storageConnectionString: This field provides the connection string to the Azure Storage account that will be used to store the enriched data. The connection string is necessary for Azure Cognitive Search to connect and store the data in the specified storage account.
Both the storageContainer and storageConnectionString fields are required to set up a knowledge store in Azure Cognitive Search that can store the social media posts and the Sentiment Analysis results.
   upvoted 1 times

 **MaliSanFuu** 1 week, 1 day ago
I agree, as the task is to define a knowledge store and not the potential projections that define the format in which the enriched data is saved
   upvoted 1 times

 **claps92** 2 months, 3 weeks ago
why not "file"??
   upvoted 1 times

 **ap1234pa** 4 months, 1 week ago
Selected Answer: BE
BE is the answer
   upvoted 1 times

 **AzureJobsTillRetire** 3 months ago
I agree. There seems to not have a need for tables.
   upvoted 1 times

 **SSJA** 5 months ago
Selected Answer: BE
Correct Answer is B & E
   upvoted 1 times

 **marti_tremblay000** 5 months, 2 weeks ago
Selected Answer: BE
it should be BE. storageConnectionString and Objects must be included in the definition.
   upvoted 1 times

halfway 5 months, 3 weeks ago

Selected Answer: BE

storageConnectionString and Tables. The projection types are mutually exclusive. There is no need to have 2 projections in this scenario.

upvoted 1 times

AzureJobsTillRetire 3 months ago

This is incorrect.

Example is given as below

```
"knowledgeStore": {  
    "storageConnectionString": "DefaultEndpointsProtocol=https;AccountName=<Acct Name>;AccountKey=<Acct Key>",  
    "projections": [  
        {  
            "tables": [  
                { "tableName": "ks-museums-main", "generatedKeyName": "ID", "source": "/document/tableprojection" },  
                { "tableName": "ks-museumEntities", "generatedKeyName": "ID", "source": "/document/tableprojection/Entities/*" }  
            ],  
            "objects": [  
                { "storageContainer": "ks-museums", "generatedKeyName": "ID", "source": "/document/objectprojection" }  
            ],  
            "files": []  
        }  
    ]  
}
```

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

upvoted 1 times

mk1967 8 months, 2 weeks ago

Shouldn't it be BE? We need storageConnectionString (as seen in the original answer).

upvoted 2 times

GigaCaster 6 months, 3 weeks ago

No, the answer is correct as it wants the places it is stored and not how to get to the stored knowledge

upvoted 1 times

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

ET Answer: DE

Knowledge store definition -

A knowledge store is defined inside a skillset definition and it has two components:

A connection string to Azure Storage

Projections that determine whether the knowledge store consists of tables, objects or files.

The projections element is an array. You can create multiple sets of table-object-file combinations within one knowledge store.

```
"knowledgeStore": {  
    "storageConnectionString": "<YOUR-AZURE-STORAGE-ACCOUNT-CONNECTION-  
    STRING>",  
    "projections": [  
        {  
            "tables": [ ],  
            "objects": [ ],  
            "files": [ ]  
        }  
    ]  
}
```

The type of projection you specify in this structure determines the type of storage used by knowledge store.

Objects - project JSON document into Blob storage. The physical representation of an object is a hierarchical JSON structure that represents an enriched document.

Tables - project enriched content into Table Storage. Define a table projection when you need tabular reporting structures for inputs to analytical tools or export as data frames to other data stores. You can specify multiple tables within the same projection group to get a

subset or cross section of enriched documents. Within the same projection group, table relationships are preserved so that you can work with all of them.

Projected content is not aggregated or normalized. The following screenshot shows a table, sorted by key phrase, with the parent document indicated in the adjacent column. In contrast with data ingestion during indexing, there is no linguistic analysis or aggregation of content. Plural forms and differences in casing are considered unique instances.

Content.metadata_storage_name	Content.KeyPhrases
Cognitive Services and Content Intelligence.pptx	Computer Vision
10-K-FY16.html	computing device
10-K-FY16.html	computing devices
MSFT_FY17_10K.docx	computing devices
10-K-FY16.html	Computing segment
Cognitive Services and Bots (spanish).pdf	confianza

Incorrect:

Not C: files - project image files into Blob storage. A file is an image extracted from a document, transferred intact to Blob storage. Although it is named "files", it shows up in Blob Storage, not file storage.

Question 12

You plan to create an index for an Azure Cognitive Search service by using the Azure portal. The Cognitive Search service will connect to an Azure SQL database.

The Azure SQL database contains a table named UserMessages. Each row in UserMessages has a field named MessageCopy that contains the text of social media messages sent by a user.

Users will perform full text searches against the MessageCopy field, and the values of the field will be shown to the users.

You need to configure the properties of the index for the MessageCopy field to support the solution.

Which attributes should you enable for the field?

- A. Sortable and Retrievable
- B. Filterable and Retrievable
- C. Searchable and Facetable
- D. Searchable and Retrievable

Answer: D

<https://learn.microsoft.com/en-us/azure/search/search-what-is-an-index>

  **MaliSanFuu** 1 week, 1 day ago

Selected Answer: D

Should be correct.

reference: <https://learn.microsoft.com/en-us/azure/search/search-what-is-an-index>

   upvoted 1 times

Common Question 5

Question 1

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

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.

<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>

✉️  **Jenny1**  1 year, 11 months ago

The answer is correct.

   upvoted 12 times

✉️  **Dalias**  1 year, 11 months ago

Key words here: Multi-Lingual and Positive and Negative analysis

   upvoted 9 times

✉️  **Adedoyin_Simeon**  1 year, 6 months ago

The answer is correct

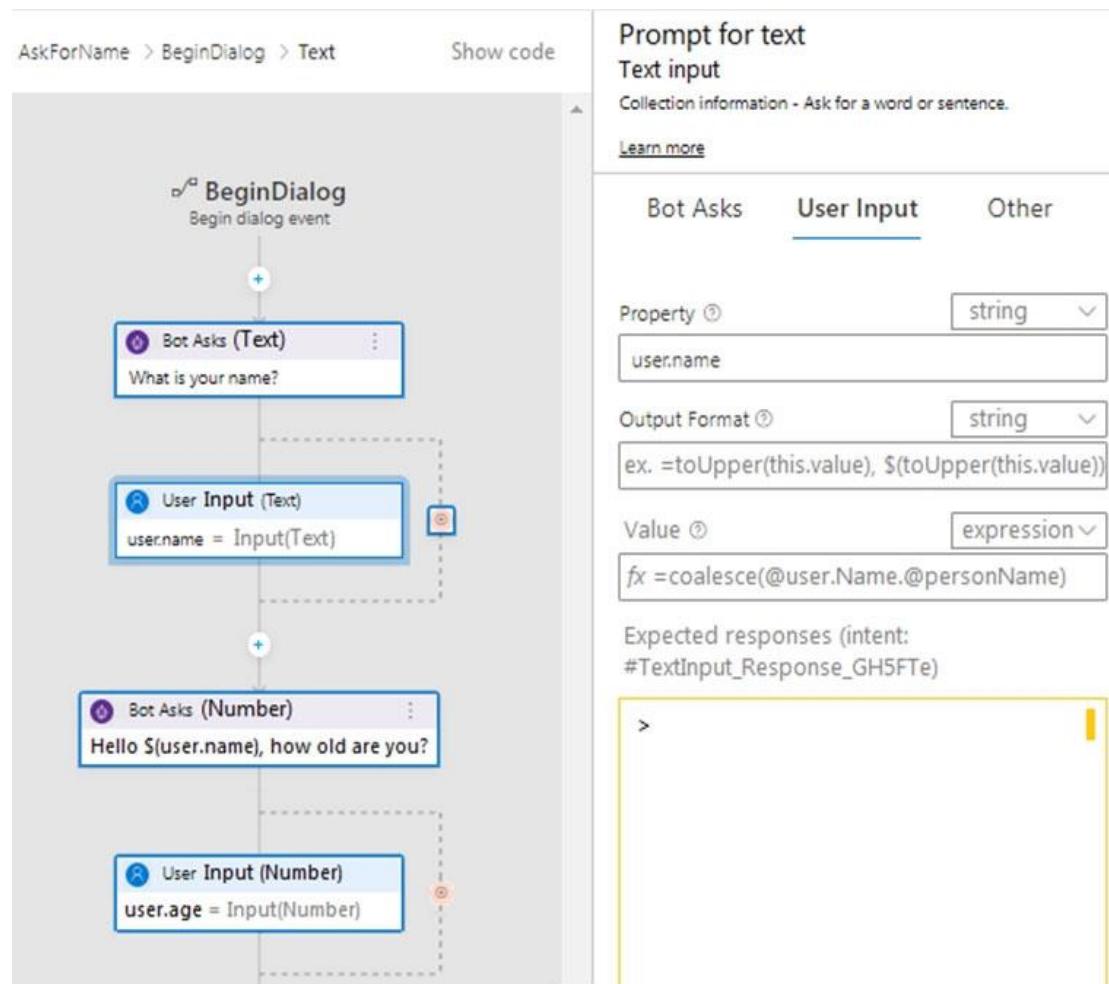
   upvoted 4 times

Question 2

HOTSPOT -

You are building a chatbot by using the Microsoft Bot Framework Composer.

You have the dialog design shown in the following exhibit.



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:

Answer Area

Statements	Yes	No
<code>user.name</code> is an entity.	<input type="radio"/>	<input type="radio"/>
The dialog asks for a user name and a user age and assigns appropriate values to the <code>user.name</code> and <code>user.age</code> properties.	<input type="radio"/>	<input type="radio"/>
The chatbot attempts to take the first non-null entity value for <code>userName</code> or <code>personName</code> and assigns the value to <code>user.name</code> .	<input type="radio"/>	<input type="radio"/>

Answer:

Answer Area

Statements	Yes	No
user.name is an entity.	<input type="radio"/>	<input checked="" type="radio"/>
The dialog asks for a user name and a user age and assigns appropriate values to the user.name and user.age properties.	<input checked="" type="radio"/>	<input type="radio"/>
The chatbot attempts to take the first non-null entity value for userName or personName and assigns the value to user.name.	<input checked="" type="radio"/>	<input type="radio"/>

Box 1: No -

User.name is a property.

Box 2: Yes -

Box 3: Yes -

The coalesce() function evaluates a list of expressions and returns the first non-null (or non-empty for string) expression.

Reference:

<https://docs.microsoft.com/en-us/composer/concept-language-generation>

<https://docs.microsoft.com/en-us/azure/data-explorer/kusto/query/coalesceffunction>

 **Duch003** Highly Voted  1 year, 10 months ago

I am not sure if the correct answer for third is yes - the fields are showing examples, not the actual values typed in the boxes.

   upvoted 7 times

 **TuongNN** 1 year, 8 months ago

That's what I thinking about..

   upvoted 4 times

 **TheB** Highly Voted  1 year, 10 months ago

The answer is correct.

   upvoted 7 times

 **2ez4Zane** Most Recent  1 year ago

The answer is correct. The 3rd one is yes

The coalesce() function evaluates a list of expressions and returns the first non-null (or non-empty for string) expression.

   upvoted 2 times

 **Moody_L** 11 months, 3 weeks ago

Disagreed. The coalesce() function uses comma to separate out a list of expressions. However, in the question, the separator is a period.
"coalesce(tolong("not a number"), tolong("42"), 33) == 42"

Ref: <https://docs.microsoft.com/en-us/azure/data-explorer/kusto/query/coalesceffunction>

   upvoted 1 times

 **ninja** 9 months, 1 week ago

I would agree with 2ez4Zane. Your link is a very good reference. I would consider the period in the question is a typo.

   upvoted 4 times

 **RamonRW** 1 year, 4 months ago

Answers 1 and 2, I am correct in my eyes. But with the third answer, I am not sure. Especially it is referring to personName and I do not see that property anywhere. Usually that's a hint, if an answer should be wrong. What do you think or do I miss something here?

   upvoted 1 times

 **RamonRW** 1 year, 4 months ago

I missed something indeed. There is a coalesce function for username and personname. I am still not sure, if the correct answer should actually be no.

   upvoted 1 times

 **Ravnit** 1 year, 5 months ago

Was on exam 27/11/2021

   upvoted 3 times

Question 3

You build a bot by using the Microsoft Bot Framework SDK and the Azure Bot Service.

You plan to deploy the bot to Azure.

You register the bot by using the Bot Channels Registration service.

Which two values are required to complete the deployment? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. botId
- B. tenantId
- C. appId
- D. objectId
- E. appSecret

Answer: CE

Reference:

<https://github.com/MicrosoftDocs/bot-docs/blob/live/articles/bot-service-quickstart-registration.md>

<https://docs.microsoft.com/en-gb/learn/modules/design-bot-conversation-flow/5-deploy-bot>

<https://docs.microsoft.com/en-us/azure/bot-service/bot-builder-deploy-az-cli?view=azure-bot-service-4.0&tabs=csharp%2Cmultitenant>

Eltooth 10 months, 1 week ago

Selected Answer: CE

C and E are correct answers.

<https://docs.microsoft.com/en-gb/learn/modules/design-bot-conversation-flow/5-deploy-bot>

upvoted 2 times

Eltooth 10 months, 1 week ago

Create the Azure resources required to support your bot

Your will need to create an Azure application registration to give your bot an identity it can use to access resources, and a bot application service to host the bot.

Register an Azure app

You can create the application registration by using the az ad app create Azure command-line interface (CLI) command, specifying a display name and password for your app identity. This command registers the app and returns its registration information, including a unique application ID that you will need in the following step.

Create a bot application service

Your bot requires a Bot Channels Registration resource, along with associated application service and application service plan. To create these resources, you can use the Azure resource deployment templates provided with the Bot Framework SDK template you used to create your bot. Just run the az deployment group create command, referencing the deployment template and specifying your bot application registration's ID (from the az ad app create command output) and the password you specified.

upvoted 1 times

reachmymind 1 year, 2 months ago

appId
appSecret

```
az deployment sub create --template-file "<path-to-template-with-new-rg.json>" --location <region-location-name> --parameters appType="MultiTenant" appId="<app-id-from-previous-step>" appSecret="<password-from-previous-step>" botId="<id or bot-app-service-name>" botSku=F0 newAppServicePlanName="<new-service-plan-name>" newWebAppName="<bot-app-service-name>" groupName="<new-group-name>" groupLocation="<region-location-name>" newAppServicePlanLocation="<region-location-name>" --name "<bot-app-service-name>"
```

<https://docs.microsoft.com/en-us/azure/bot-service/bot-builder-deploy-az-cli?view=azure-bot-service-4.0&tabs=csharp%2Cmultitenant>

upvoted 2 times

 **JTWang** 1 year ago

The bot channels registration registers your web service as a bot with the Bot Framework, provided you have a Microsoft App Id and App password (client secret).
<https://github.com/OfficeDev/Microsoft-Teams-Samples/blob/main/samples/tab-adaptive-cards/nodejs/Wiki/azure-bot-channels-registration.md#create-the-bot-channels-registration>

   upvoted 1 times

 **jayf** 1 year, 8 months ago

Answer should be correct
   upvoted 3 times

 **Mil1975** 1 year, 6 months ago

Agree
<https://github.com/MicrosoftDocs/bot-docs/blob/live/articles/bot-service-quickstart-registration.md#update-the-bot>
   upvoted 2 times

Question 4

DRAG DROP -

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.)

Select and Place:

Actions	Answer Area
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.	

ET User:

- enable active learning
- validate the utterances
- train and republish

<https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/how-to/improve-knowledge-base>

✉ fiddie14 Highly Voted 1 year, 10 months ago

How about:

- enable active learning
- validate the utterances
- train and republish

👍👎💡 upvoted 21 times

✉ Banye27 1 year, 9 months ago

I think so too!

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

👍👎💡 upvoted 4 times

✉ ovokpus Most Recent 1 year, 5 months ago

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.

From the above answer provided is correct since active learning covers reviewing utterances

👍👎💡 upvoted 2 times

- ✉ **gs23mi** 1 year, 7 months ago
 following ref. <https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/how-to/improve-knowledge-base> it should be:
 1 enable active learning
 2 validate the utterance logger for review and modify the model (alternative questions base on used submissions)
 3 train and republish
 upvoted 4 times
- ✉ **passtest100** 1 year, 7 months ago
 Enable active learning
 Enable log, since the log should be true for active learning
 validate the utterance logs
 upvoted 2 times
- ✉ **vaskar** 1 year, 10 months ago
 Other options could be as below if prebuild is not an option
 - Validate the log and update the model
 - enable active learning
 - retrain and republish
 upvoted 3 times

ET Answer:

Actions	Answer Area
Add prebuilt domain models as required.	Add prebuilt domain models as required.
Validate the utterances logged for review and modify the model.	Enable active learning.
Migrate authoring to an Azure resource authoring key.	Train and republish the Language Understanding model.
Enable active learning.	
Enable log collection by using Log Analytics.	
Train and republish the Language Understanding model.	

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.

Incorrect Answers:

Enable log collection by using Log Analytics

Application authors can choose to enable logging on the utterances that are sent to a published application. This is not done through Log Analytics.

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-how-to-review-endpoint-utterances#log-user-queries-to-enable-active-learning>

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-concept-prebuilt-model>

Question 5

You are building a bot on a local computer by using the Microsoft Bot Framework. The bot will use an existing Language Understanding model.

You need to translate the Language Understanding model locally by using the Bot Framework CLI.

What should you do first?

- A. From the Language Understanding portal, clone the model.
- B. Export the model as an .lu file.
- C. Create a new Speech service.
- D. Create a new Language Understanding service.

Answer: B

You might want to manage the translation and localization for the language understanding content for your bot independently.

Translate command in the @microsoft/bf-lu library takes advantage of the Microsoft text translation API to automatically machine translate .lu files to one or more than 60+ languages supported by the Microsoft text translation cognitive service.

What is translated?

An .lu file and optionally translate

Comments in the lu file -

LU reference link texts -

List of .lu files under a specific path.

Reference:

<https://github.com/microsoft/botframework-cli/blob/main/packages/luis/docs/translate-command.md>

  **Heegbaryee**  1 year, 8 months ago

Correct

   upvoted 5 times

  **Nebary**  8 months, 4 weeks ago

 **Selected Answer: B**

Correct

   upvoted 1 times

  **azurelearner666** 1 year, 10 months ago

correct

   upvoted 3 times

Question 6

DRAG DROP -

You plan to build a chatbot to support task tracking.

You create a Language Understanding service named lu1.

You need to build a Language Understanding model to integrate into the chatbot. The solution must minimize development time to build the model.

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.)

Select and Place:

Actions	Answer Area
Train the application.	
Publish the application.	
Add a new application.	
Add example utterances.	
Add the prebuilt domain ToDo.	

ET User:

1. Add a new application
2. Add a prebuilt domain intent ToDo (it has already utterances so we can skip this step)
3. Train
4. Publish

  **azurelearner666**  1 year, 10 months ago

Wrong response, the right one substitutes the Utterances by adding a prebuilt domain:
1. Add a new application
2. Add a prebuilt domain intent ToDo (it has already utterances so we can skip this step)
3. Train
4. Publish

   upvoted 24 times

  **Adedoyin_Simeon** 1 year, 10 months ago

I also agree with you on this.
   upvoted 2 times

  **timmay54** 1 year, 3 months ago

Yes step 2 is add ToDo prebuilt domain, here is the link to all the available LUIS prebuilt domains <https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-reference-prebuilt-domains>
   upvoted 1 times

  **motu**  1 year, 11 months ago

IMHO that's wrong - in order to minimize dev time you should include the prebuilt domain ToDo.
   upvoted 11 times

  **azurelearner666** 1 year, 10 months ago

Agree, but then what should be the other 3 steps?
   upvoted 1 times

  **MII1975** 1 year, 6 months ago

I have just done it in luis.ai, exactly as azurelearner666 says:
1.- Add new APP
2.- Add prebuilt domain ToDo
3. Train
4.- Publish
   upvoted 1 times

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-reference-prebuilt-domains>

ET Answer:

Actions	Answer Area
Train the application.	Add a new application.
Publish the application.	Add example utterances.
Add a new application.	Train the application.
Add example utterances.	Publish the application.
Add the prebuilt domain ToDo.	

Step 1: Add a new application -

Create a new app -

1. Sign in to the LUIS portal with the URL of <https://www.luis.ai>.
2. Select Create new app.
3. Etc.

Step 2: Add example utterances.

In order to classify an utterance, the intent needs examples of user utterances that should be classified with this intent.

Step 3: Train the application -

Step 4: Publish the application -

In order to receive a LUIS prediction in a chat bot or other client application, you need to publish the app to the prediction endpoint.

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/tutorial-intents-only>

Question 7

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

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>

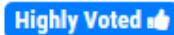
Reference:

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

✉  **olowyinka**  1 year, 9 months ago

Correct 

   upvoted 11 times

✉  **TheB**  1 year, 10 months ago

Given answer is correct!

   upvoted 5 times

✉  **Eltooth**  10 months, 1 week ago

Selected Answer: C

C is the correct answer : Keys and Endpoint.

   upvoted 1 times

Question 8

HOTSPOT -

You are building a chatbot for a Microsoft Teams channel by using the Microsoft Bot Framework SDK. The chatbot will use the following code.

```
protected override async Task OnMembersAddedAsync(IList<ChannelAccount>
membersAdded, ITurnContext<IConversationUpdateActivity> turnContext,
CancellationToken cancellationToken)
{
    foreach (var member in membersAdded)
        if (member.Id != turnContext.Activity.Recipient.Id)
            await turnContext.SendActivityAsync($"Hi there - {member.Name} .
{WelcomeMessage}", cancellationToken: cancellationToken);
}
```

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:

Answer Area

Statements	Yes	No
OnMembersAddedAsync will be triggered when a user joins the conversation.	<input type="radio"/>	<input type="radio"/>
When a new user joins the conversation, the existing users in the conversation will see the chatbot greeting.	<input type="radio"/>	<input type="radio"/>
OnMembersAddedAsync will be initialized when a user sends a message.	<input type="radio"/>	<input type="radio"/>

Answer:

Answer Area

Statements	Yes	No
OnMembersAddedAsync will be triggered when a user joins the conversation.	<input checked="" type="radio"/>	<input type="radio"/>
When a new user joins the conversation, the existing users in the conversation will see the chatbot greeting.	<input checked="" type="radio"/>	<input type="radio"/>
OnMembersAddedAsync will be initialized when a user sends a message.	<input type="radio"/>	<input checked="" type="radio"/>

Box 1: Yes -

The ActivityHandler.OnMembersAddedAsync method overrides this in a derived class to provide logic for when members other than the bot join the conversation, such as your bot's welcome logic.

Box 2: Yes -

membersAdded is a list of all the members added to the conversation, as described by the conversation update activity.

Box 3: No -

Reference:

<https://docs.microsoft.com/en-us/dotnet/api/microsoft.bot.builder.activityhandler.onmembersaddedasync?view=botbuilder-dotnet-stable>

guruaws2021 **Highly Voted** 1 year, 9 months ago

2nd one should be no, when a new member will join the chatbot will only greet the new member and not all existing member in the chat
 upvoted 11 times

Viktor 1 year, 8 months ago

I feel the answer is correct. The members are all in a "group". So when a new member is added, the old members will see the chatbot greet the new member ("Hello \${new.member}"), and not every other existing members.
 upvoted 14 times

reachmymind **Highly Voted** 1 year, 2 months ago

A1. Yes
<https://docs.microsoft.com/en-us/dotnet/api/microsoft.bot.builder.activityhandler.onmembersaddedasync?view=botbuilder-dotnet-stable>
ActivityHandler.OnMembersAddedAsync(IList<ChannelAccount>, ITurnContext<IConversationUpdateActivity>, CancellationToken)
Method invoked when members other than the bot join the conversation

A2. No

<https://docs.microsoft.com/en-us/dotnet/api/microsoft.bot.builder.turncontext.sendactivityasync?view=botbuilder-dotnet-stable>
Sends a message activity to the sender of the incoming activity in turncontext

A3: No

<https://docs.microsoft.com/en-us/dotnet/api/microsoft.bot.builder.activityhandler.onconversationupdateactivityasync?view=botbuilder-dotnet-stable>
ActivityHandler.OnConversationUpdateActivityAsync(ITurnContext<IConversationUpdateActivity>, CancellationToken)
Method invoked when a conversation update activity that indicates one or more users other than the bot are joining the conversation

upvoted 7 times

ninjapunk 4 months, 4 weeks ago

This is correct, as per the docs SendActivityAsync "sends an activity to the sender of the incoming activity", thus not a public message to be seen by everyone in the group.
 upvoted 1 times

AzureJobsTillRetire **Most Recent** 3 months ago

The given answers are correct.

On the second question:-

The sender is the Microsoft Teams channel.
"from" Identifies the sender of the message. example: from: ChannelAccount
The recipients are the members

According to the code,

If new member <> existing member, then send out welcome message
if (member.Id != turnContext.Activity.Recipient.Id)

upvoted 2 times

saadashraf 1 month, 2 weeks ago

Thanks, spent quite a time on this question. Your answer is absolutely correct
 upvoted 1 times

Adedoyin_Simeon 1 year, 6 months ago

The answer is correct.

upvoted 3 times

TheB 1 year, 10 months ago

The answer looks correct.

upvoted 6 times

Question 9

HOTSPOT -

You are reviewing the design of a chatbot. The chatbot includes a language generation file that contains the following fragment.

```
# Greet(user)
- ${Greeting()}, ${user.name}
```

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:

Answer Area

Statements	Yes	No
`\${user.name}` retrieves the user name by using a prompt.	<input type="radio"/>	<input type="radio"/>
Greet() is the name of the language generation template.	<input type="radio"/>	<input type="radio"/>
` \${Greeting()} ` is a reference to a template in the language generation file.	<input type="radio"/>	<input type="radio"/>

Answer:

Answer Area

Statements	Yes	No
`\${user.name}` retrieves the user name by using a prompt.	<input type="radio"/>	<input checked="" type="radio"/>
Greet() is the name of the language generation template.	<input type="radio"/>	<input checked="" type="radio"/>
` \${Greeting()} ` is a reference to a template in the language generation file.	<input checked="" type="radio"/>	<input type="radio"/>

Box 1: No -

Example: Greet a user whose name is stored in `user.name`

```
- ${ welcomeUser(user.name) }
```

Example: Greet a user whose name you don't know:

```
- ${ welcomeUser() }
```

Box 2: No -

Greet(User) is a Send a response action.

Box 3: Yes -

Reference:

<https://docs.microsoft.com/en-us/composer/how-to-ask-for-user-input>

- ✉️👤 **NNU** 2 months, 4 weeks ago
the user.name retrieves from .log file, the answer is No
second is yes Greet() is the name of LG template
TemplateName
- You can say cheese and tomato \{toppings are optional\}
third yes is a reference to a template
Variation text can include references to another named template to aid with composition and resolution of sophisticated responses. References to other named templates are denoted using braces, such as \${<TemplateName>}).
<https://learn.microsoft.com/en-us/azure/bot-service/file-format/bot-builder-lg-file-format?view=azure-bot-service-4.0>
- 👉👉👉 upvoted 2 times
- ✉️👤 **Etooth** 10 months ago
No
No
Yes
- 👉👉👉 upvoted 2 times
- ✉️👤 **kubikjakubik** 1 year, 11 months ago
First is true. You even have it in your reference.
<https://docs.microsoft.com/en-us/composer/how-to-ask-for-user-input>
"Hello \${user.name}, nice to talk to you!" ... so the part \${user.name} in fact does retrieve the name of the user.
- 👉👉👉 upvoted 4 times
- ✉️👤 **AzureJobsTillRetire** 3 months ago
One way of getting the user name is by using a prompt, but there are other ways as well
- 👉👉👉 upvoted 1 times
- ✉️👤 **azurelearner666** 1 year, 10 months ago
it does retrieve the user name, but NOT USING A PROMPT, retrieves the already stored property.
But without a PROMPT.
- so, the response is correct, it's a NO.
1. NO
2. NO
3. YES
- 👉👉👉 upvoted 26 times

Question 10

HOTSPOT -

You are building a chatbot by using the Microsoft Bot Framework SDK.

You use an object named UserProfile to store user profile information and an object named ConversationData to store information related to a conversation.

You create the following state accessors to store both objects in state.

```
var userStateAccessors = _userState.CreateProperty<UserProfile>(nameof(UserProfile)); var conversationStateAccessors =
```

```
_conversationState.CreateProperty<ConversationData>(nameof(ConversationData));
```

The state storage mechanism is set to Memory Storage.

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:

Answer Area

Statements	Yes	No
The code will create and maintain the UserProfile object in the underlying storage layer.	<input type="radio"/>	<input type="radio"/>
The code will create and maintain the ConversationData object in the underlying storage layer.	<input type="radio"/>	<input type="radio"/>
The UserProfile and ConversationData objects will persist when the Bot Framework runtime terminates.	<input type="radio"/>	<input type="radio"/>

Answer:

Answer Area

Statements	Yes	No
The code will create and maintain the UserProfile object in the underlying storage layer.	<input checked="" type="radio"/>	<input type="radio"/>
The code will create and maintain the ConversationData object in the underlying storage layer.	<input checked="" type="radio"/>	<input type="radio"/>
The UserProfile and ConversationData objects will persist when the Bot Framework runtime terminates.	<input type="radio"/>	<input checked="" type="radio"/>

Box 1: Yes -

You create property accessors using the CreateProperty method that provides a handle to the BotState object. Each state property accessor allows you to get or set the value of the associated state property.

Box 2: Yes -

Box 3: No -

Before you exit the turn handler, you use the state management objects' SaveChangesAsync() method to write all state changes back to storage.

Reference:

<https://docs.microsoft.com/en-us/azure/bot-service/bot-builder-howto-v4-state>

[https://learn.microsoft.com/en-](https://learn.microsoft.com/en-us/dotnet/api/microsoft.bot.builder.botstate?view=botbuilder-dotnet-stable)

[us/dotnet/api/microsoft.bot.builder.botstate?view=botbuilder-dotnet-stable](https://learn.microsoft.com/en-us/dotnet/api/microsoft.bot.builder.botstate?view=botbuilder-dotnet-stable)

✉️ **Voxo** 1 year, 6 months ago

Looks correct

upvoted 9 times

✉️ **flutterb** 6 months, 3 weeks ago

Answer is :

No

No

No

If the user profile and conversation states are committed to memory, then they are in fact stored in cache memory and not on the underlying storage layer (disk). Hence, the user profile and conversation data will get deleted once the session runtime is over.

upvoted 2 times

✉️ **ninjapunk** 4 months, 4 weeks ago

Wrong. The first two answers are true.

As per the documentation, the BotState Class "defines a state management object and automates the reading and writing of associated state properties to a storage layer."

CreateProperty is a method of the BotState Class, which "creates a named state property within the scope of a BotState and returns an accessor for the property."

Reference: <https://learn.microsoft.com/en-us/dotnet/api/microsoft.bot.builder.botstate?view=botbuilder-dotnet-stable>

upvoted 2 times

Question 11

HOTSPOT -

You are building a chatbot that will provide information to users as shown in the following exhibit.

Passengers

Sarah Hum

Jeremy Goldberg

Evan Litvak

2 Stops

Tue, May 30, 2017 10:25 PM

San Francisco

Amsterdam



San Francisco

Amsterdam

SFO

AMS

SFO

AMS

Non-Stop

Fri, Jun 2, 2017 11:55 PM

San Francisco

Amsterdam



San Francisco

Amsterdam

SFO

AMS

SFO

AMS

Total

\$4,032.54

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

The chatbot is showing [answer choice].

an Adaptive Card
a Hero Card
a Thumbnail Card

The card includes [answer choice].

an action set
an image
an image group
media

ET User:

an Adaptive Card

an image

<https://docs.microsoft.com/en-us/composer/how-to-send-cards?tabs=v1x>

<https://learn.microsoft.com/en-us/adaptive-cards/sdk/rendering-cards/net-image/getting-started>

<https://docs.microsoft.com/en-us/azure/bot-service/bot-service-design-user-experience?view=azure-bot-service-4.0>

<https://docs.microsoft.com/en-us/adaptive-cards/sdk/rendering-cards/net-image/render-a-card>

<https://docs.microsoft.com/en-us/microsoftteams/platform/task-modules-and-cards/cards/cards-reference>

motu 1 year, 11 months ago

ET answer is wrong. It's an adaptive card using an image.

upvoted 27 times

Tee 1 year, 10 months ago

Yes, the answer is Adaptive Card. The image is a combination of many texts, images, with date and currency fields.

upvoted 6 times

palwa 1 year, 5 months ago

its Thumbnail, Adaptive cards require buttons. Like in MS teams approve PR :)

upvoted 1 times

snilu 1 year, 5 months ago

Answer is Adaptive Card

<https://docs.microsoft.com/en-us/composer/how-to-send-cards?tabs=v1x>

upvoted 17 times

Trumpenstein 1 year, 4 months ago

Good Find - the image at the and is nearly identical with the screenshot!

upvoted 6 times

✉️  **AzureJobsTillRetire**  3 months ago

The given answers are correct.

First of all, everyone agrees that the answer to the second question is an imagine and not an action set, or an image group, or media. Hence the card includes an image and not many images. If there is only one image, the answer to the first question has to be a Thumbnail card, as an adaptive card is highly customizable and can contain any combination of text, speech, images, buttons, and input fields, which is not required.

   upvoted 1 times

✉️  **AzureJobsTillRetire** 2 months, 3 weeks ago

I was wrong. I think it is Adaptive Card. Although an adaptive card contains any combination of text, speech, images, buttons, and input fields, it can also be rendered into a single PNG image.

<https://learn.microsoft.com/en-us/adaptive-cards/sdk/rendering-cards/net-image/getting-started>

   upvoted 1 times

✉️  **Eltooth** 10 months, 1 week ago

Answer is correct.

Adaptive Card

Image

<https://docs.microsoft.com/en-us/composer/how-to-send-cards?tabs=v1x>

   upvoted 2 times

✉️  **reachmymind** 1 year, 2 months ago

an Adaptive Card

an image

an Adaptive Card that is a JSON-serialized card object model rendered into a PNG image

<https://docs.microsoft.com/en-us/azure/bot-service/bot-service-design-user-experience?view=azure-bot-service-4.0>

<https://docs.microsoft.com/en-us/adaptive-cards/sdk/rendering-cards/net-image/render-a-card>

   upvoted 2 times

✉️  **RamonRW** 1 year, 4 months ago

The question is a bit confusing, as it is not entirely clear, if this is a sent screenshot. I think, if it is a screenshot Thumbnail and image makes absolutely sense, but if it is a "constructed" message, adaptive card would make sense. But due to the complexity of the adaptive card (images of the plane, information about passenger) several answers need to be right in the second element. Therefore, I believe the answer is correct. But the question is not really a good one.

   upvoted 2 times

✉️  **ParkXD** 10 months ago

I agree with what you say.

And for the difference between cards: <https://docs.microsoft.com/en-us/microsoftteams/platform/task-modules-and-cards/cards/cards-reference>.

   upvoted 1 times

✉️  **Ravnit** 1 year, 5 months ago

Was on exam 27/11/2021

   upvoted 1 times

✉️  **SAANCODE** 1 year, 10 months ago

The answer is correct

   upvoted 3 times

ET Answer:

Answer Area

The chatbot is showing [answer choice].

an Adaptive Card
a Hero Card
a Thumbnail Card
an action set
an image
an image group
media

The card includes [answer choice].

an action set
an image
an image group
media

Box 1: A Thumbnail card -

A Thumbnail card typically contains a single thumbnail image, some short text, and one or more buttons.

Incorrect Answers:

- ☞ an Adaptive card is highly customizable card that can contain any combination of text, speech, images, buttons, and input fields.
- ☞ a Hero card typically contains a single large image, one or more buttons, and a small amount of text.

Box 2: an image -

Reference:

<https://docs.microsoft.com/en-us/microsoftteams/platform/task-modules-and-cards/cards/cards-reference>

Question 12

HOTSPOT -

You are building a bot and that will use Language Understanding.

You have a LUDown file that contains the following content.

```
## Confirm
- confirm
- ok
- yes

## ExtractName
- call me steve !
- i am anna
- (i'm|i am) {@PersonName.Any}[]
- my name is {@PersonName.Any}[]

## Logout
- forget me
- log out

## SelectItem
- choose last
- choose the {@DirectionalReference=bottom left}
- choose {@DirectionalReference=top right}
- i like {@DirectionalReference=left} one

## SelectNone
- none

@ ml DirectionalReference
@ prebuilt personName
```

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

SelectItem is [answer choice].

a domain
an entity
an intent
an utterance

Choose {@DirectionalReference=top right} is [answer choice].

a domain
an entity
an intent
an utterance

Answer:

Answer Area

SelectItem is [answer choice].

a domain
an entity
an intent
an utterance

Choose {@DirectionalReference=top right} is [answer choice].

a domain
an entity
an intent
an utterance

<https://github.com/solliancenet/tech-immersion-data-ai/blob/master/ai-exp1/README.md>

✉️  **Zoul**  1 year, 7 months ago

Answer is correct. From the link provided:

SelectItem is the intent, and each item below it are example utterances that capture ways users can express this intent. Entities in .lu files are denoted using <entityName> = <labeled value> notation. Taking from our sample code once again, you can find the bottom left entity within the following utterance: choose the [DirectionalReference=bottom left].

   upvoted 10 times

✉️  **Diem**  1 year, 8 months ago

Based on the reference, it should be entity for the second question

   upvoted 6 times

✉️  **ParkXD**  10 months ago

Answer is correct.

The LUIS model begins with categories of user intentions called intents. Each intent needs examples of user utterances (something a user should say). Each utterance can provide a variety of data that needs to be extracted with entities.

   upvoted 1 times

✉️  **Eltooth** 10 months, 1 week ago

Intent

Utterance.

   upvoted 2 times

✉️  **sdokmak** 11 months ago

a trick stolen from previous questions

(U) (S) A, Utterance Statement

(E)(n)gland, Entity Noun

(I)(v)itory Coast, Intent Verb

   upvoted 1 times

✉️  **PHD_CHENG** 1 year ago

Answer is correct

   upvoted 1 times

✉️  **Ravnit** 1 year, 5 months ago

Was on exam 27/11/2021

   upvoted 1 times

Question 13

HOTSPOT -

You are designing a conversation flow to be used in a chatbot.

You need to test the conversation flow by using the Microsoft Bot Framework Emulator.

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

NOTE: Each correct selection is worth one point.

Hot Area:

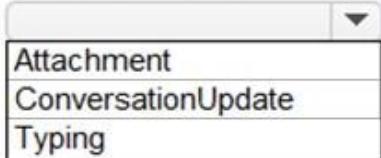
Answer Area

```
user=User1
```

```
bot=watchbot
```

```
user: I want a new watch.
```

```
bot: [ ] [Delay=3000]
```



Attachment
ConversationUpdate
Typing

```
bot: I can help you with that! Let me see what I can find.
```

```
bot: Here's what I found.
```

```
bot:
```

```
[AttachmentLayout= [ ]
```



adaptivecard
carousel
thumbnail

```
[Attachment=https://contoso.blob.core.windows.net/watch01.jpg]
```

```
[Attachment=https://contoso.blob.core.windows.net/watch02.jpg]
```

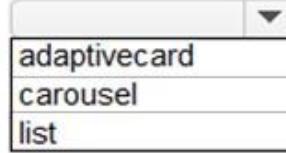
```
user: I like the first one.
```

```
bot: Sure, pulling up more information.
```

```
bot: [Attachment=cards\watchProfileCard.json
```

```
user: That's nice! Thank you.
```

```
bot: Sure, you are most welcome!
```



adaptivecard
carousel
list

Answer:

Answer Area

```
user=User1
bot=watchbot
user: I want a new watch.

bot: [ ] [[Delay=3000]
Attachment
ConversationUpdate
Typing
```

bot: I can help you with that! Let me see what I can find.
bot: Here's what I found.
bot:

```
[AttachmentLayout= ]
adaptivecard
carousel
thumbnail
```

[Attachment=https://contoso.blob.core.windows.net/watch01.jpg]
[Attachment=https://contoso.blob.core.windows.net/watch02.jpg]
user: I like the first one.
bot: Sure, pulling up more information.
bot: [Attachment=cards\watchProfileCard.json]
user: That's nice! Thank you.
bot: Sure, you are most welcome!

```
adaptivecard
carousel
list
```

<https://docs.microsoft.com/en-us/azure/bot-service/bot-builder-howto-add-media-attachments?view=azure-bot-service-4.0&tabs=csharp>

Diem **Highly Voted** 1 year, 8 months ago

The given answer is correct. Second box is Carousel which includes multiple attachments.
 upvoted 7 times

Ravnit **Most Recent** 1 year, 5 months ago

Was on exam 27/11/2021
 upvoted 1 times

GMKanon 1 year, 8 months ago

Second box should be thumbnail
 upvoted 2 times

SnowCheetah 1 year, 8 months ago

I am not sure on the second answer is correct or not

1. Typing is correct (it's answer indicate on [delay]) <https://docs.microsoft.com/en-us/azure/bot-service/bot-builder-howto-send-messages?view=azure-bot-service-4.0&tabs=csharp>

2. Since attachment is attach with 2 images ==> it cannot be thumbnail, which can only a simple card as a proper response. however I am not sure adaptive card can be selected as well for this choice.

3. Adaptive card is correct (in context after user send selection, bot is sending detail of selected item) <https://docs.microsoft.com/en-us/azure/bot-service/bot-builder-howto-add-media-attachments?view=azure-bot-service-4.0&tabs=csharp>

upvoted 3 times

timmayy54 1 year, 3 months ago

Fully Agree, for 2. having 2 attachments makes Carousel more right than Adaptive, plus Adaptive is last answer and double using the same one is quite rare.

upvoted 1 times

Question 14

You are building a chatbot by using the Microsoft Bot Framework Composer as shown in the exhibit. (Click the Exhibit tab.)

The screenshot shows the Microsoft Bot Framework Composer interface. On the left, a dialog flow diagram for 'GetUserDetails > BeginDialog > Text' is displayed. It starts with a 'BeginDialog' event, followed by a 'Bot Asks (Text)' step with the question 'What is your name?'. This leads to a 'User input (Text)' step with the expression '(SCOPE).name = Input(Text)'. A circled orange square highlights the '(SCOPE).name' part of the expression. On the right, a 'Prompt for text' configuration panel is open, showing settings for 'User input'. The 'Property' dropdown is set to 'string' and contains '(SCOPE).name'. The 'Output format' dropdown is also set to 'string'. The 'Value' dropdown is set to 'string'. Below these, the 'Expected responses (intent)' field contains '#TextInput_Response_FuvyF4'. There are tabs for 'Bot Asks', 'User input' (which is selected), and 'Other'.

The chatbot contains a dialog named Get UserDetails. Get UserDetails contains a TextInput control that prompts users for their name.

The user input will be stored in a property named name.

You need to ensure that you can dispose of the property when the last active dialog ends.

Which scope should you assign to name?

- A. dialog
- B. user
- C. turn
- D. conversation

Answer: A

The dialog scope associates properties with the active dialog. Properties in the dialog scope are retained until the dialog ends.

Incorrect Answers:

A: The conversation scope associates properties with the current conversation. Properties in the conversation scope have a lifetime of the conversation itself.

These properties are in scope while the bot is processing an activity associated with the conversation (for example, multiple users together in a Microsoft Teams channel).

B: The user scope associates properties with the current user. Properties in the user scope do not expire. These properties are in scope while the bot is processing an activity associated with the user.

C: The turn scope associates properties with the current turn. Properties in the turn scope expire at the end of the turn.

Reference:

<https://docs.microsoft.com/en-us/composer/concept-memory?tabs=v2x>

✉️  **Isidro** 1 year ago

Shouldn't it be USER? If Dialog is selected, one the last dialog is concluded, the information will be lost.

   upvoted 1 times

✉️  **Moody_L** 11 months, 3 weeks ago

Dialog scope are retained until the "last active dialog ends". That's what the question asked for.

Ref: Under "Composer v1.x" tab, <https://docs.microsoft.com/en-us/composer/concept-memory?tabs=v2x>

   upvoted 3 times

✉️  **ninja** 9 months, 1 week ago

Agreed. A. dialog

   upvoted 2 times

Question 15

DRAG DROP -

You have a chatbot that uses a QnA Maker application.

You enable active learning for the knowledge base used by the QnA Maker application.

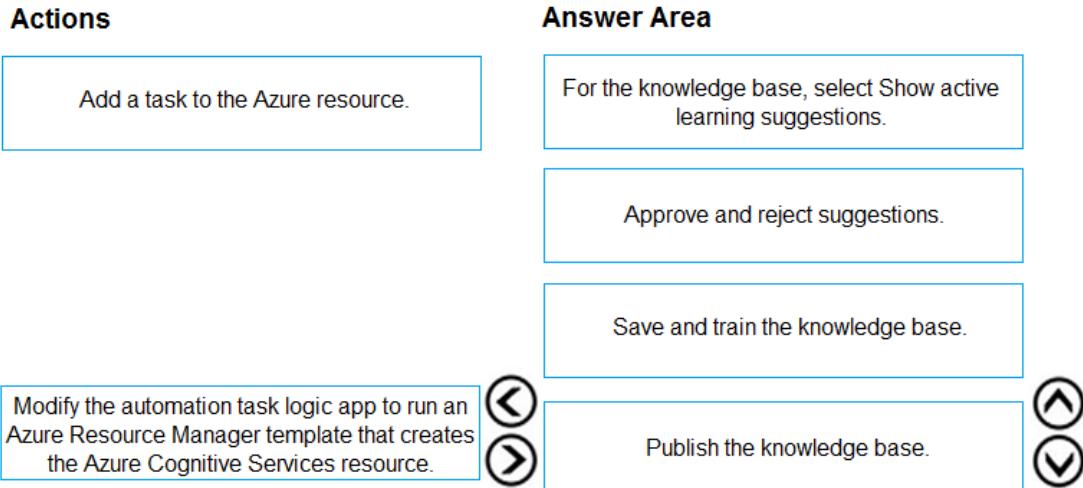
You need to integrate user input into the model.

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.

Select and Place:

Actions	Answer Area
Add a task to the Azure resource.	
Approve and reject suggestions.	
Publish the knowledge base.	
Modify the automation task logic app to run an Azure Resource Manager template that creates the Azure Cognitive Services resource.	 
For the knowledge base, select Show active learning suggestions.	
Save and train the knowledge base.	
Select the properties of the Azure Cognitive Services resource.	

Answer:



Select the properties of the Azure Cognitive Services resource.

Step 1: For the knowledge base, select Show active learning suggestions.

In order to see the suggested questions, on the Edit knowledge base page, select View Options, then select Show active learning suggestions.

Step 2: Approve and reject suggestions.

Each QnA pair suggests the new question alternatives with a check mark, , to accept the question or an x to reject the suggestions. Select the check mark to "x"

add the question.

Step 3: Save and train the knowledge base.

Select Save and Train to save the changes to the knowledge base.

Step 4: Publish the knowledge base.

Select Publish to allow the changes to be available from the GenerateAnswer API.

When 5 or more similar queries are clustered, every 30 minutes, QnA Maker suggests the alternate questions for you to accept or reject.

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/how-to/improve-knowledge-base>

<https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/how-to/improve-knowledge-base#view-suggested-questions>

 **Eltooth**  10 months, 1 week ago

Answer provided is correct.

(Turn on active learning) - Done

1. Show active learning suggestions
2. Accept the question or reject the suggestions
3. Save and Train
4. Publish

<https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/how-to/improve-knowledge-base#view-suggested-questions>

   upvoted 5 times

 **ninjia** 9 months, 1 week ago

Agreed.

   upvoted 1 times

Question 16

You need to enable speech capabilities for a chatbot.

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

NOTE: Each correct selection is worth one point.

- A. Enable WebSockets for the chatbot app.
- B. Create a Speech service.
- C. Register a Direct Line Speech channel.
- D. Register a Cortana channel.
- E. Enable CORS for the chatbot app.
- F. Create a Language Understanding service.

Answer: ABC

You can use the Speech service to voice-enable a chat bot.

The Direct Line Speech channel uses the text-to-speech service, which has neural and standard voices.

You'll need to make a small configuration change so that your bot can communicate with the Direct Line Speech channel using web sockets.

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/speech-service/tutorial-voice-enable-your-bot-speech-sdk>

ABC (67%)

BCE (33%)

<https://docs.microsoft.com/en-us/azure/cognitive-services/speech-service/tutorial-voice-enable-your-bot-speech-sdk#create-a-speech-service-resource>

<https://docs.microsoft.com/en-us/azure/cognitive-services/speech-service/tutorial-voice-enable-your-bot-speech-sdk#enable-web-sockets>

<https://docs.microsoft.com/en-us/azure/cognitive-services/speech-service/tutorial-voice-enable-your-bot-speech-sdk#register-the-direct-line-speech-channel>

Eltooth Highly Voted 10 months, 1 week ago

Selected Answer: ABC

A, B and C are correct answers in order shown below.

B. Create a Speech service

<https://docs.microsoft.com/en-us/azure/cognitive-services/speech-service/tutorial-voice-enable-your-bot-speech-sdk#create-a-speech-service-resource>

A. Enable WebSockets for the chatbot app

<https://docs.microsoft.com/en-us/azure/cognitive-services/speech-service/tutorial-voice-enable-your-bot-speech-sdk#enable-web-sockets>

C. Register a Direct Line Speech channel

<https://docs.microsoft.com/en-us/azure/cognitive-services/speech-service/tutorial-voice-enable-your-bot-speech-sdk#register-the-direct-line-speech-channel>

upvoted 5 times

Pffffff Most Recent 1 month ago

Selected Answer: ABC

said ChatGPT

upvoted 1 times

 **marti_tremblay000** 2 months, 1 week ago

Selected Answer: BCE

According to ChapGPT, the correct answers are BCE :

The three actions that need to be performed to enable speech capabilities for an Azure chatbot are:

B. Create a Speech service: A Speech service is needed to process the audio input and output of the chatbot. Azure provides the Speech service that can be created from the Azure portal.

C. Register a Direct Line Speech channel: A Direct Line Speech channel needs to be registered in the Azure portal for the chatbot app. The Direct Line Speech channel enables the chatbot to receive audio input and provide audio output to the user.

E. Enable CORS for the chatbot app: Cross-Origin Resource Sharing (CORS) needs to be enabled for the chatbot app to allow the browser to access resources from a different domain. This is required when using the Direct Line Speech channel.

Therefore, the correct actions are B, C, and E.

   upvoted 1 times

 **Pyguy** 4 months, 2 weeks ago

Selected Answer: BCE

instead of WebSockets you should enable CORS . Cross-Origin Resource Sharing , will allow your bot app to communicate with the Speech service.. Nothing to do websockets here..

   upvoted 2 times

 **AzureJobsTillRetire** 3 months ago

Can you please share your reference?

Eltooth has provided link as below.

Enable web sockets

You need to make a small configuration change so that your bot can communicate with the Direct Line Speech channel by using web sockets.

<https://docs.microsoft.com/en-us/azure/cognitive-services/speech-service/tutorial-voice-enable-your-bot-speech-sdk#enable-web-sockets>

   upvoted 1 times

Question 17

You use the Microsoft Bot Framework Composer to build a chatbot that enables users to purchase items.

You need to ensure that the users can cancel in-progress transactions. The solution must minimize development effort.

What should you add to the bot?

- A. a language generator
- B. a custom event
- C. a dialog trigger
- D. a conversation activity

ET User: C, 评论较少, 仅供参考

✉️  **ArchMelody** 6 months, 2 weeks ago

Selected Answer: C

C seems to be the correct answer for me as well for the aforementioned reasons.

   upvoted 3 times

✉️  **DiegoGonL** 7 months, 1 week ago

Selected Answer: C

As Tickxit said: an interruption occurs when a trigger is fired in the context of adaptive dialogs.

   upvoted 1 times

✉️  **Davard** 8 months, 2 weeks ago

It seems like it should be C: a dialog trigger. Anyone else?

   upvoted 4 times

✉️  **Tickxit** 7 months, 3 weeks ago

I agree, an interruption occurs when a trigger is fired. Context of adaptive dialogs.

   upvoted 2 times

ET Answer: D

Handling interruptions is an important aspect of a robust bot. Users will not always follow your defined conversation flow, step by step. They may try to ask a question in the middle of the process, or simply want to cancel it instead of completing it.

Example:

If the user types "cancel", it calls CancelAllDialogsAsync on its inner dialog context, which clears its dialog stack and causes it to exit with a canceled status and no result value. To the MainDialog (shown later on), it will appear that the booking dialog ended and returned null, similar to when the user chooses not to confirm their booking. private async

```
Task<DialogTurnResult> InterruptAsync(DialogContext innerDc, CancellationToken cancellationToken)
{
    if (innerDc.Context.Activity.Type == ActivityTypes.Message)
    {
        var text = innerDc.Context.Activity.Text.ToLowerInvariant();
        switch (text)
        {
            case "cancel":
            case "quit":
                var cancelMessage = MessageFactory.Text(CancelMsgText, CancelMsgText,
InputHints.IgnoringInput); await innerDc.Context.SendActivityAsync(cancelMessage, cancellationToken); return await innerDc.CancelAllDialogsAsync(cancellationToken);
        }
    }
    return null;
}
Reference:  

https://docs.microsoft.com/en-us/azure/bot-service/bot-builder-howto-handle-user-interrupt
```

Question 18

You are designing a conversational interface for an app that will be used to make vacation requests. The interface must gather the following data:

- The start date of a vacation
- The end date of a vacation
- The amount of required paid time off

The solution must minimize dialog complexity.

Which type of dialog should you use?

- A. adaptive
- B. skill
- C. waterfall
- D. component

ET User: C

<https://learn.microsoft.com/en-us/azure/bot-service/bot-builder-dialog-manage-conversation-flow?view=azure-bot-service-4.0&tabs=csharp>
<https://learn.microsoft.com/en-us/azure/bot-service/bot-builder-compositcontrol?view=azure-bot-service-4.0&tabs=csharp>

odisor 1 month, 2 weeks ago

I think the answer could be C or D, but in order to minimize complexity, I think D is correct.

ChatGPT answer:

In Azure CLU, there are three main types of dialogs:

Root Dialog: The Root Dialog is the main entry point for the bot. It handles incoming messages and dispatches them to other dialogs as appropriate. The Root Dialog can be thought of as the top-level container for all other dialogs in the bot.

Component Dialog: A Component Dialog is a reusable dialog that can be embedded within other dialogs. It encapsulates a specific set of related functionality, such as a login dialog or a payment dialog. Component Dialogs can be used to create more modular and maintainable bot code.

Waterfall Dialog: A Waterfall Dialog is a type of dialog that guides the user through a series of steps or prompts to complete a task. Each step in the Waterfall Dialog can be implemented as a separate method, making it easy to create complex conversational flows. Waterfall Dialogs can be used for tasks like booking appointments, ordering food, or making reservations.

upvoted 2 times

ptmk 1 month, 3 weeks ago

I think the answer is correct. The key requirement is "The solution must minimize dialog complexity".

My answer is C. Component

Waterfall dialog is used to manage linear and more complex conversation flows.

<https://learn.microsoft.com/en-us/azure/bot-service/bot-builder-dialog-manage-conversation-flow?view=azure-bot-service-4.0&tabs=csharp>

Component dialog is used to create independent dialogs to handle specific scenarios, breaking a large dialog set into more manageable pieces.

<https://learn.microsoft.com/en-us/azure/bot-service/bot-builder-compositcontrol?view=azure-bot-service-4.0&tabs=csharp>

upvoted 1 times

 **marti_tremblay000** 2 months, 1 week ago

Selected Answer: C

ChatGPT answer:

To minimize dialog complexity and gather the required data in a conversational interface for vacation requests, the best type of dialog to use would be a "waterfall" dialog.

A waterfall dialog is a simple, linear conversation flow where the bot prompts the user for information in a structured sequence. Each prompt is presented to the user one at a time, in a predefined order, until all the required information is collected. The waterfall dialog makes it easy to collect data in a conversational interface, while keeping the dialog simple and easy to follow.

In this case, the waterfall dialog can be designed to prompt the user for the start date, end date, and amount of required paid time off, in that order. The dialog can then confirm the details with the user and submit the request.

Skill and component dialogs are not relevant to this scenario, as they are used for integrating with external services and breaking down large bots into smaller, reusable parts, respectively.

   upvoted 2 times

ET Answer: D

Question 19

You create a bot by using the Microsoft Bot Framework SDK.

You need to configure the bot to respond to events by using custom text responses.

What should you use?

- A. a dialog
- B. an activity handler
- C. an adaptive card
- D. a skill

Answer: B

 marti_tremblay000 2 months, 1 week ago

Selected Answer: B

B is the correct answer as explained by ChatGPT :

B. An activity handler is the correct choice for configuring the bot to respond to events by using custom text responses.

An activity handler is a class in the Bot Framework SDK that processes incoming activities (e.g., messages, events, etc.) from the user and generates outgoing activities (e.g., replies). By overriding the OnMessageActivityAsync method of the activity handler, you can provide custom logic for responding to user messages.

   upvoted 1 times

Question 20

HOTSPOT -

You build a bot named app1 by using the Microsoft Bot Framework.

You prepare app1 for deployment.

You need to deploy app1 to Azure.

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

az	deployment source	--resource-group "RG1" --name "app1" --src "app1.zip"
<input type="button" value="bot"/>	<input type="button" value="config"/>	
<input type="button" value="functionapp"/>	<input type="button" value="config-local-git"/>	
<input type="button" value="vm"/>	<input type="button" value="config-zip"/>	
<input type="button" value="webapp"/>		

Answer:

Answer Area

az	deployment source	--resource-group "RG1" --name "app1" --src "app1.zip"
<input type="button" value="bot"/>	<input type="button" value="config"/>	
<input type="button" value="functionapp"/>	<input type="button" value="config-local-git"/>	
<input type="button" value="vm"/>	<input type="button" value="config-zip"/>	
<input style="outline: 2px solid red;" type="button" value="webapp"/>	<input style="outline: 2px solid red;" type="button" value="config-zip"/>	

<https://learn.microsoft.com/en-us/azure/bot-service/provision-and-publish-a-bot?view=azure-bot-service-4.0&tabs=userassigned%2Cpython#publish-your-bot-to-azure>

<https://learn.microsoft.com/en-us/azure/bot-service/provision-azure-bot?view=azure-bot-service-4.0&tabs=userassigned>

✉ odisor 1 month ago

the answers is correct, this is asking how to deploy the app for the bot , not the bot resource:
<https://learn.microsoft.com/en-us/azure/bot-service/provision-a-bot?view=azure-bot-service-4.0&tabs=userassigned%2Cpython#publish-your-bot-to-azure>

to deploy a bot resource:

<https://learn.microsoft.com/en-us/azure/bot-service/provision-azure-bot?view=azure-bot-service-4.0&tabs=userassigned>

↑ ↓ ⌂ upvoted 1 times

✉ MalisanFuu 1 week, 1 day ago

i think its a bit tricky with the wording because the bot is named "app1", therefore i think bot should be correct
↑ ↓ ⌂ upvoted 2 times

✉ Sachz88 1 month, 1 week ago

The first box is incorrect. It should be "bot"

ChatGPT:

If you want to build a bot named app1 using the Microsoft Bot Framework, the deployment source you should use depends on your specific requirements and preferences.

If you want to deploy your bot on Microsoft Azure, you can use the "azbot" deployment source. This deployment source provides a pre-configured Azure Bot Service that allows you to easily deploy your bot to the cloud.

On the other hand, if you want to deploy your bot on a web server or hosting platform, you can use the "webapp" deployment source. This deployment source allows you to deploy your bot as a web application on a web server, using a programming language of your choice.

The question clearly states: "You need to deploy app1 to Azure."

Answer to the first box is "bot"

↑ ↓ ⌂ upvoted 1 times

Question 21

You create five bots by using Microsoft Bot Framework Composer.

You need to make a single bot available to users that combines the bots. The solution must support dynamic routing to the bots based on user input.

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

NOTE: Each correct selection is worth one point.

- A. Create a composer extension.
- B. Change the Recognizer/Dispatch type.
- C. Create an Orchestrator model.
- D. Enable WebSockets.
- E. Create a custom recognizer JSON file.
- F. Install the Orchestrator package.

Answer: BCF

👤 marti_tremblay000 2 months, 1 week ago

Selected Answer: BCF

ChatGPT answers :

To make a single bot available to users that combines the bots and supports dynamic routing to the bots based on user input, the following three actions should be performed:

B. Change the Recognizer/Dispatch type: The Recognizer/Dispatch type should be changed to enable the bot to recognize user input and dispatch it to the appropriate bot.

C. Create an Orchestrator model: An Orchestrator model should be created to handle the routing of user input to the appropriate bot.

F. Install the Orchestrator package: The Orchestrator package should be installed to provide the bot with the necessary functionality to route user input to the appropriate bot.

Therefore, options B, C, and F are the correct answers.

👍 ↗️ 💬 upvoted 1 times

Question 22

You have a chatbot that was built by using Microsoft Bot Framework and deployed to Azure.

You need to configure the bot to support voice interactions. The solution must support multiple client apps.

Which type of channel should you use?

- A. Cortana
- B. Microsoft Teams
- C. Direct Line Speech

Answer: C

<https://learn.microsoft.com/en-us/azure/cognitive-services/speech-service/direct-line-speech>

👤 **Codia** 1 month ago

Direct Line Speech is a robust, end-to-end solution for creating a flexible, extensible voice assistant. It is powered by the Bot Framework and its Direct Line Speech channel, that is optimized for voice-in, voice-out interaction with bots.

<https://learn.microsoft.com/en-us/azure/cognitive-services/speech-service/direct-line-speech>

👍 ↗️ 💬 upvoted 1 times

Question 23

You are building a bot by using Microsoft Bot Framework.

You need to configure the bot to respond to spoken requests. The solution must minimize development effort.

What should you do?

- A. Deploy the bot to Azure and register the bot with a Direct Line Speech channel.
- B. Integrate the bot with Cortana by using the Bot Framework SDK.
- C. Create an Azure function that will call the Speech service and connect the bot to the function.
- D. Deploy the bot to Azure and register the bot with a Microsoft Teams channel.

Answer: B

  **Codia** 1 month ago

minimize development effort -> Cortana (we can connect the Cortana channel and integrate a Bot Application to Cortana)

   upvoted 1 times

Question 24

HOTSPOT -

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 Area

Section:

Classification
pii
Terms

Category:

1
2
3

Answer:

Answer Area

Section:

Classification
pii
Terms

Category:

1
2
3

<https://learn.microsoft.com/en-us/azure/cognitive-services/content-moderator/text-moderation-api#classification>

Question 25

You have an Azure subscription that contains an Anomaly Detector resource. You deploy a Docker host server named Server 1 to the on-premises network. You need to host an instance of the Anomaly Detector service on Server 1. Which parameter should you include in the docker run command?

- A. Fluentd
- B. Billing
- C. Http Proxy
- D. Mounts

Answer: B

Question 26

Which Azure Storage service implements the key/value model?

- A. Azure Files
- B. Azure Blob
- C. Azure Table
- D. Azure Queue

Answer: C

Simulation

Question 1

SIMULATION -

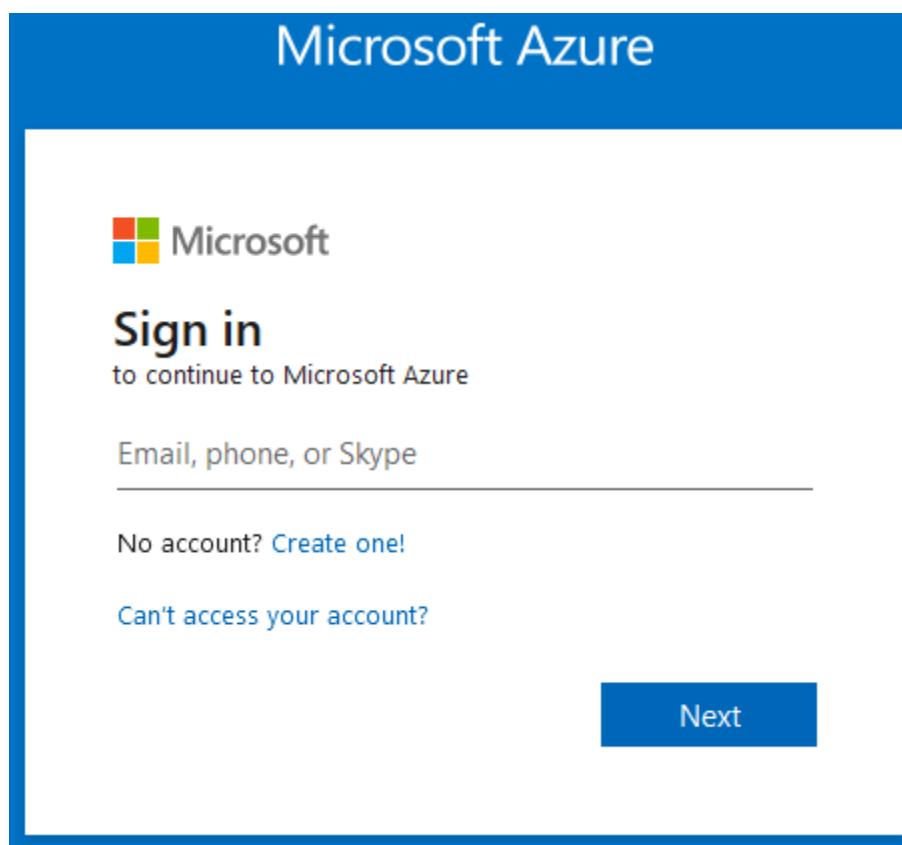
You need to create a Text Analytics service named Text12345678, and then enable logging for Text12345678. The solution must ensure that any changes to Text12345678 will be stored in a Log Analytics workspace.

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

Answer: See explanation below.

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

X

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 >

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 your 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>

 **practicewizards** 7 months, 2 weeks ago

This cannot be done anymore. Is not supported in azure since QnA is being retired on 31st March, 2025.

"QnA Maker service is being retired on 31st March, 2025. A newer version of this capability is now available as a part of Azure Cognitive Service for Language called question answering. To use this service, you need to provision a Language resource. For question answering capability within the Language service, see question answering and its pricing page. You can't create new QnA Maker resources anymore. For information on migrating your existing QnA Maker knowledge bases to question answering, consult the migration guide."

   upvoted 1 times

Question 2

SIMULATION -

You need to create a search service named search12345678 that will index a sample Azure Cosmos DB database named hotels-sample. The solution must ensure that only English language fields are retrievable.

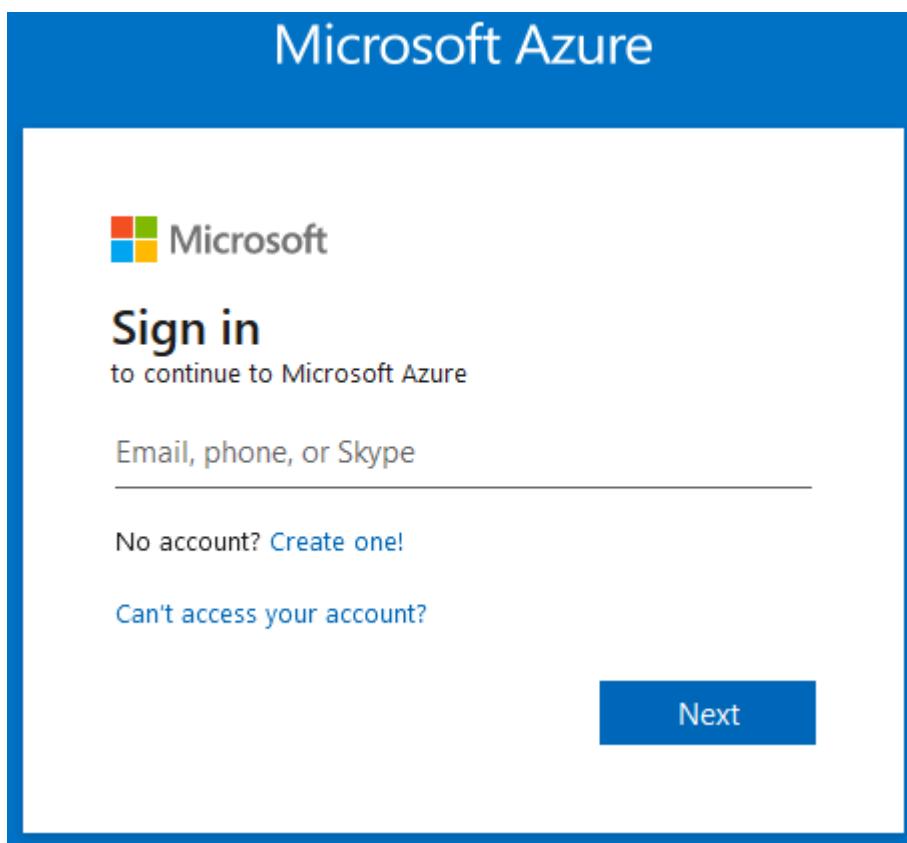
To complete this task, sign in to the Azure portal.

Answer: See explanation below.

Part 1: Create a search service search12345678

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: search12345678 -

Create Cognitive Services ...

X

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 * ⓘ



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 * ⓘ



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 >

Step 4: Click Review + create -

Part 2: Start the Import data wizard and create a data source

Step 5: Click Import data on the command bar to create and populate a search index.

+ Add index Import data Search explorer Refresh Delete Move

Step 6: In the wizard, click Connect to your data > Samples > hotels-sample. This data source is built-in. If you were creating your own data source, you would need to specify a name, type, and connection information. Once created, it becomes an "existing data source" that can be reused in other import operations.

Home > Microsoft.Search - Overview > my-new-search-service > Import data

Import data

Connect to your data Enrich content (Optional) Customize target index Create an indexer

Create and load a search index using data from an existing Azure data source in your current subscription. Azure Cognitive Search crawls the data structure you provide, extracts searchable content, optionally enriches it with cognitive skills, and loads it into an index. [Learn more](#)

Data Source	Type	Name
		realestate-us-sample
		hotels-sample

① Samples
② hotels-sample

Step 7: Continue to the next page.

Step 8: Skip the "Enrich content" page

Step 9: Configure index.

Make sure English is selected for the fields.

Home > Microsoft.Search - Overview > my-new-search-service > Import data

Import data

Connect to your data Enrich content (Optional) **Customize target index** * Create an indexer

We provided a default index for you. You can delete the fields you don't need. Everything is editable, but once the index is built, deleting or changing existing fields will require re-indexing your documents.

Index name *	Key *	Suggester name	Search mode	Analyzer	Suggester			
hotels-sample-index	HotelId	sq		English - Microsoft	English - Microsoft			
<input type="button" value="Add field"/> <input type="button" value="Add subfield"/> <input type="button" value="Delete"/>								
Field name	Type	Retrievable	Filterable	Sortable	Facetable	Searchable	Analyzer	Suggester
HotelId	Edm.String	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	English - Microsoft	***
HostName	Edm.String	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	English - Microsoft	***
Description	Edm.String	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	English - Microsoft	***

Step 10: Continue and finish the wizard.

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/cognitive-services-apis-create-account>

<https://docs.microsoft.com/en-us/azure/search/search-get-started-portal>

Question 3

SIMULATION -

You plan to create a solution to generate captions for images that will be read from Azure Blob Storage.

You need to create a service in Azure Cognitive Services for the solution. The service must be named captions12345678 and must use the Free pricing tier.

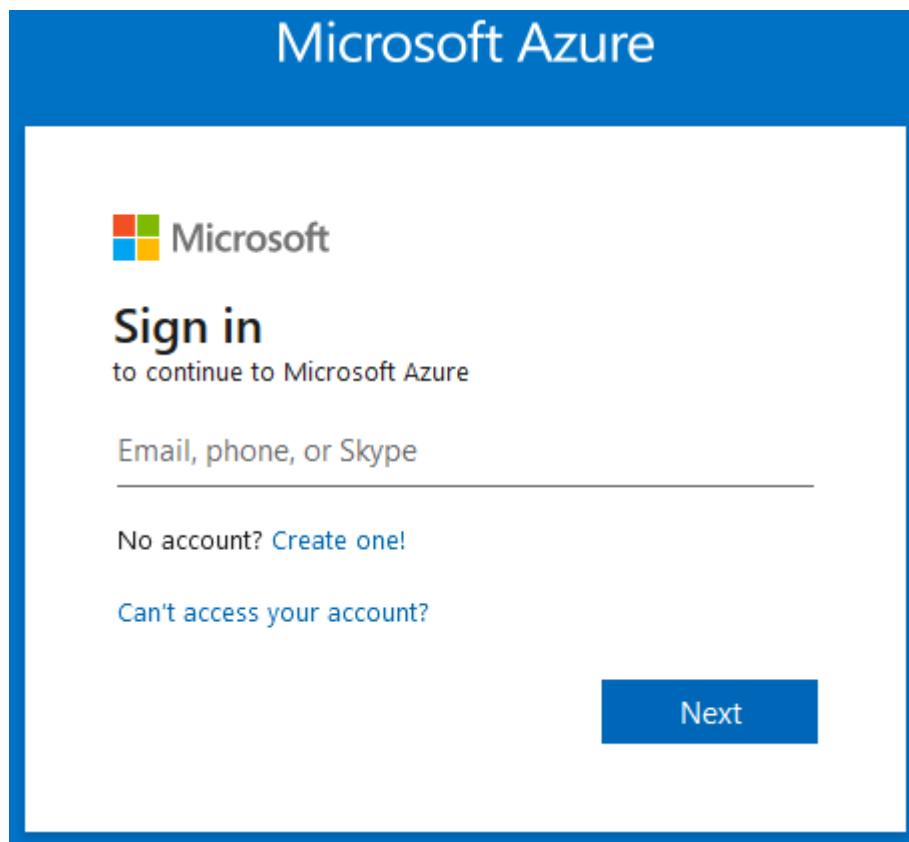
To complete this task, sign in to the Azure portal.

Answer: See explanation below.

Part 1: Create a search service captions12345678

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: captions12345678

Pricing tier: Free -

Create Cognitive Services

X

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 * ⓘ



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 * ⓘ



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 >

Step 4: Click Review + create -

(Step 5: Create a data source

In Connect to your data, choose Azure Blob Storage. Choose an existing connection to the storage account and container you created. Give the data source a name, and use default values for the rest.)

Microsoft Azure Search resources, services, and docs (G+) ...

Dashboard > Import data

***Connect to your data** Add cognitive skills (Optional) Customize target index Create an indexer

Create and load a search index using data from an external data source. Azure Cognitive Search crawls the data structure you provide, extracts searchable content, optionally enriches it with cognitive skills, and loads it into an index. [Learn more](#)

Data Source		Azure Blob Storage
Data source name *		signs ✓
Data to extract ⓘ		Content and metadata
Parsing mode		Default
Connection string *		<input type="text" value="DefaultEndpointsProtocol=https;AccountName=..."/> ✓ Choose an existing connection
Container name * ⓘ		signs ✓
Blob folder ⓘ		your/folder/here
Description		(optional)

[Next: Add cognitive skills \(Optional\)](#)

Reference:

<https://docs.microsoft.com/en-us/azure/search/search-create-service-portal>
<https://docs.microsoft.com/en-us/azure/search/cognitive-search-quickstart-ocr>

halfway 6 months, 2 weeks ago

Create a 'Computer Vision' service and use it for image captioning:

upvoted 2 times

momentumhd 8 months, 1 week ago

Should we use Cognitive Search for this?

upvoted 1 times

Question 4

SIMULATION -

You need to create a Form Recognizer resource named fr12345678.

Use the Form Recognizer sample labeling tool at <https://fott-2-1.azurewebsites.net/> to analyze the invoice located in the C:\Resources\Invoices folder.

Save the results as C:\Resources\Invoices\Results.json.

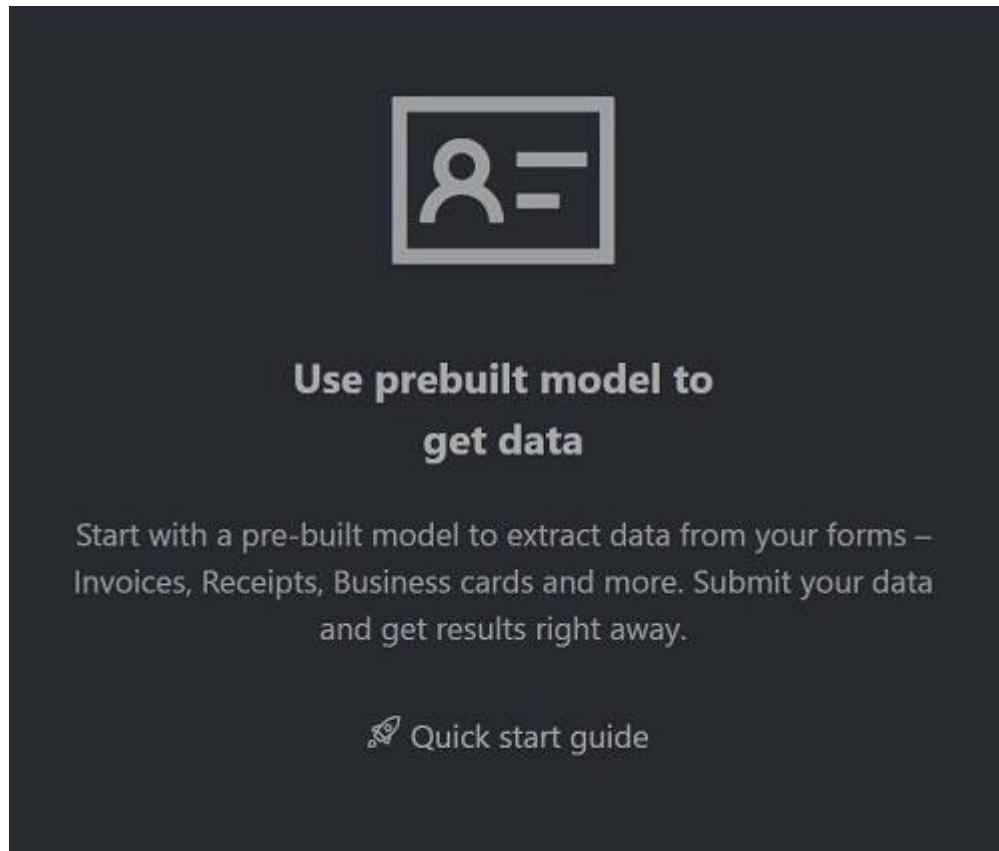
To complete this task, sign in to the Azure portal and open the Form Recognizer sample labeling tool.

Answer: See explanation below.

Step 1: Sign in to the Azure Portal.

Step 2: Navigate to the Form Recognizer Sample Tool (at <https://fott-2-1.azurewebsites.net/>)

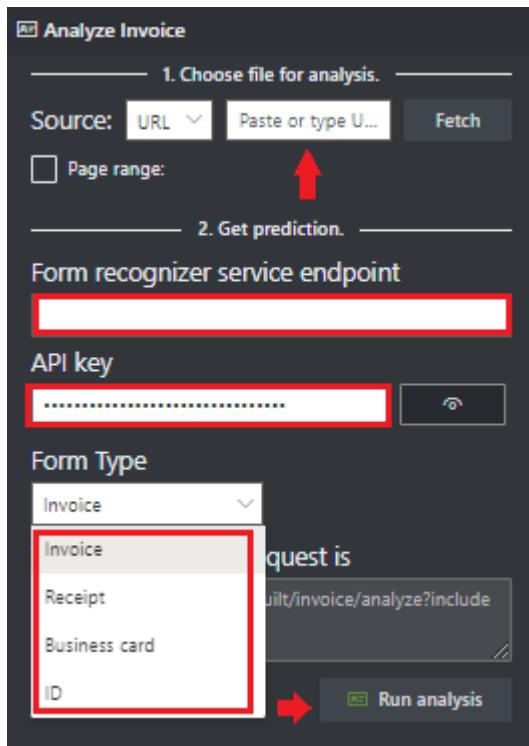
Step 3: On the sample tool home page select Use prebuilt model to get data.



Step 4: Select the Form Type you would like to analyze from the dropdown window.

Step 5: In the Source: URL field, paste the selected URL and select the Fetch button.

Step 6: In the Choose file for analysis use the file in the C:\Resources\Invoices folder and select the Fetch button.



Step 7: Select Run analysis. The Form Recognizer Sample Labeling tool will call the Analyze Prebuilt API and analyze the document.

Step 8: View the results - see the key-value pairs extracted, line items, highlighted text extracted and tables detected.

Page # / Field name / Value	Confidence
AmountDue	96.80%
valueNumber: 610	95.10%
BillingAddress	95.10%
valueAddress: 123 Bell St, Redmond WA, 98052	95.40%
CustomerAddress	95.10%
valueAddress: 123 Other St, Redmond WA, 98052	95.40%
CustomerAddressRecipient	95.40%
Microsoft Corp	96.10%
CustomerID	96.10%
valueID: 12345	94.60%
CustomerName	94.60%
MICROSOFT CORPORATION	94.60%
DueDate	96.90%
valueDate: 12/5/2019	96.70%
InvoiceDate	96.70%
valueDate: 11/15/2019	96.70%
valueDate: 2019-11-15	96.70%
InvoiceID	97.00%
INV-100	96.70%
InvoiceTotal	96.70%
valueNumber: 110	95.60%
Name	NaN
Click to view analyzed table	
+ PreviousInputBalance	95.60%
last: \$500.00	
valueNumber: 500	
PurchaseOrder	96.20%
PO-3333	
RemittanceAddress	94.80%
valueAddress: 123 Remit St New York, NY, 10001	

Step 9: Save the results as C:\Resources\Invoices\Results.json.

Reference:

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

Question 5

SIMULATION -

Use the following login credentials as needed:

To enter your username, place your cursor in the Sign in box and click on the username below.

To enter your password, place your cursor in the Enter password box and click on the password below.

Azure Username: admin@abc.com -

Azure Password: XXXXXXXXXXXX -

The following information is for technical support purposes only:

Lab Instance: 12345678 -

Task -

You plan to build an API that will identify whether an image includes a Microsoft Surface Pro or Surface Studio.

You need to deploy a service in Azure Cognitive Services for the API. The service must be named AAA12345678 and must be in the East US Azure region. The solution must use the Free pricing tier.

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

Answer: See explanation below.

Step 1: In the Azure dashboard, click Create a resource.

Step 2: In the search bar, type "Cognitive Services."

You'll get information about the cognitive services resource and a legal notice. Click Create.

Step 3: You'll need to specify the following details about the cognitive service (refer to the image below for a completed example of this page):

Subscription: choose your paid or trial subscription, depending on how you created your Azure account.

Resource group: click create new to create a new resource group or choose an existing one.

Region: choose the Azure region for your cognitive service. Choose: East US Azure region.

Name: choose a name for your cognitive service. Enter: AAA12345678

Pricing Tier: Select: Free pricing tier

 Validation Passed

listed above; (b) authorize Microsoft to bill my current payment method for the fees associated with the offering(s), with the same billing frequency as my Azure subscription; and (c) agree that Microsoft may share my contact, usage and transactional information with the provider(s) of the offering(s) for support, billing and other transactional activities. Microsoft does not provide rights for third-party offerings. See the [Azure Marketplace Terms](#) for additional details.

Basics

Subscription	Visual Studio Enterprise Subscription
Resource group	ocr-rg
Region	West Europe
Name	ocr-cognitive-service
Pricing tier	Standard S0

Identity

Identity type	None
---------------	------

[Create](#)

[< Previous](#)

[Next](#)

[Download a template for automation](#)

Step 4: Review and create the resource, and wait for deployment to complete. Then go to the deployed resource.

Note: The Computer Vision Image Analysis service can extract a wide variety of visual features from your images. For example, it can determine whether an image contains adult content, find specific brands or objects, or find human faces.

Tag visual features -

Identify and tag visual features in an image, from a set of thousands of recognizable objects, living things, scenery, and actions. When the tags are ambiguous or not common knowledge, the API response provides hints to clarify the context of the tag. Tagging isn't limited to the main subject, such as a person in the foreground, but also includes the setting (indoor or outdoor), furniture, tools, plants, animals, accessories, gadgets, and so on.

Try out the image tagging features quickly and easily in your browser using Vision Studio.

Reference:

<https://docs.microsoft.com/en-us/learn/modules/analyze-images-computer-vision/3-analyze-images>

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

  **dev2dev** 4 months ago

Computer Vision should be the resource we need to create.

   upvoted 3 times

Question 6

SIMULATION -

Use the following login credentials as needed:

To enter your username, place your cursor in the Sign in box and click on the username below.

To enter your password, place your cursor in the Enter password box and click on the password below.

Azure Username: admin@abc.com -

Azure Password: XXXXXXXXXXXX -

The following information is for technical support purposes only:

Lab Instance: 12345678 -

Task -

You need to build an API that uses the service in Azure Cognitive Services named AAA12345678 to identify whether an image includes a Microsoft Surface Pro or Surface Studio.

To achieve this goal, you must use the sample images in the C:\Resources\Images folder.

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

Answer: See explanation below.

Step 1: In the Azure dashboard, click Create a resource.

Step 2: In the search bar, type "Cognitive Services."

You'll get information about the cognitive services resource and a legal notice. Click Create.

Step 3: You'll need to specify the following details about the cognitive service (refer to the image below for a completed example of this page):

Subscription: choose your paid or trial subscription, depending on how you created your Azure account.

Resource group: click create new to create a new resource group or choose an existing one.

Region: choose the Azure region for your cognitive service. Choose: East US Azure region.

Name: choose a name for your cognitive service. Enter: AAA12345678

Pricing Tier: Select: Free pricing tier

Step 4: Review and create the resource, and wait for deployment to complete. Then go to the deployed resource.

Note: The Computer Vision Image Analysis service can extract a wide variety of visual features from your images. For example, it can determine whether an image contains adult content, find specific brands or objects, or find human faces.

Tag visual features -

Identify and tag visual features in an image, from a set of thousands of recognizable objects, living things, scenery, and actions. When the tags are ambiguous or not common

knowledge, the API response provides hints to clarify the context of the tag. Tagging isn't limited to the main subject, such as a person in the foreground, but also includes the setting (indoor or outdoor), furniture, tools, plants, animals, accessories, gadgets, and so on.

Try out the image tagging features quickly and easily in your browser using Vision Studio.

Reference:

<https://docs.microsoft.com/en-us/learn/modules/analyze-images-computer-vision/3-analyze-images>

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

✉️  **t_isk** 2 months, 1 week ago

Is it possible to get questions like this on the exam?

   upvoted 2 times

✉️  **marti_tremblay000** 2 months, 1 week ago

as per ChatGPT :

For identifying whether an image includes a Microsoft Surface Pro or Surface Studio, you can use the Azure Custom Vision service. Azure Custom Vision is a machine learning service that enables you to build, train, and deploy custom image classification models.

To use Azure Custom Vision for your API, you can follow these general steps:

Create an Azure Custom Vision project and upload a set of labeled images that include Microsoft Surface Pro or Surface Studio.

Train the model using the labeled images.

Publish the trained model as an API endpoint that can be used to classify new images.

Integrate the API endpoint into your own application to provide the image classification service.

   upvoted 1 times

✉️  **halfway** 6 months, 2 weeks ago

Image tagging won't work. It is either 'Brand Detection', if the sample images contain actual surface logos or 'Custom Vision' to train a model to detect surface pro/studios

   upvoted 1 times

Question 7

SIMULATION -

Use the following login credentials as needed:

To enter your username, place your cursor in the Sign in box and click on the username below.

To enter your password, place your cursor in the Enter password box and click on the password below.

Azure Username: admin@abc.com -

Azure Password: XXXXXXXXXXXX -

The following information is for technical support purposes only:

Lab Instance: 12345678 -

Task -

You need to get insights from a video file located in the C:\Resources\Video\Media.mp4 folder.

Save the insights to the C:\Resources\Video\Insights.json folder.

To complete this task, sign in to the Azure Video Analyzer for Media at

<https://www.videoindexer.ai/> by using admin@abc.com

Answer: See explanation below.

Step 1: Login -

Browse to the Azure Video Indexer website and sign in.

URL: <https://www.videoindexer.ai/>

Login admin@abc.com -

Step 2: Create a project from your video

You can create a new project directly from a video in your account.

1. Go to the Library tab of the Azure Video Indexer website.

2. Open the video that you want to use to create your project. On the insights and timeline page, select the Video editor button.

Folder: C:\Resources\Video\Media.mp4

This takes you to the same page that you used to create a new project. Unlike the new project, you see the timestamped insights segments of the video, that you had started editing previously.

Step 3: Save the insights to the C:\Resources\Video\Insights.json folder.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-video-indexer/use-editor-create-project>

Question 8

IMULATION -

Use the following login credentials as needed:

To enter your username, place your cursor in the Sign in box and click on the username below.

To enter your password, place your cursor in the Enter password box and click on the password below.

Azure Username: admin@abc.com -

Azure Password: XXXXXXXXXXXX -

The following information is for technical support purposes only:

Lab Instance: 12345678 -

Task -

You plan to analyze stock photography and automatically generate captions for the images. You need to create a service in Azure to analyze the images. The service must be named caption12345678 and must be in the East US Azure region. The solution must use the Free pricing tier.

In the C:\Resources\Caption\Params.json folder, enter the value for Key 1 and the endpoint for the new service.

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

Answer: 1/4<See explanation below.

Step 1: Provision a Cognitive Services resource

If you don't already have one in your subscription, you'll need to provision a Cognitive Services resource.

1. Open the Azure portal at <https://portal.azure.com>, and sign in using the Microsoft account associated with your Azure subscription.

2. Select the Create a resource button, search for cognitive services, and create a Cognitive Services resource with the following settings:

Subscription: Your Azure subscription

Resource group: Choose or create a resource group (if you are using a restricted subscription, you may not have permission to create a new resource group - use the one provided)

Region: East US Azure region -

Name: caption12345678 -

Pricing tier: Free F0 -

3. Select the required checkboxes and create the resource.

Wait for deployment to complete, and then view the deployment details.

4. When the resource has been deployed, go to it and view its Keys and Endpoint page. You will need the endpoint and one of the keys from this page in the next procedure.

Step 2: Save Key and Endpoint values in Params.json

Open the configuration file, C:\Resources\Caption\Params.json, and update the configuration values it contains to reflect the endpoint and an authentication key for your cognitive services resource. Save your changes.

Reference:

<https://microsoftlearning.github.io/AI-102-AIEngineer/Instructions/15-computer-vision.html>

  **marti_tremblay000** 2 months, 1 week ago

create a Computer Vision service

   upvoted 1 times

Question 9

SIMULATION -

Use the following login credentials as needed:

To enter your username, place your cursor in the Sign in box and click on the username below.

To enter your password, place your cursor in the Enter password box and click on the password below.

Azure Username: admin@abc.com -

Azure Password: XXXXXXXXXXXX -

The following information is for technical support purposes only:

Lab Instance: 12345678 -

Task -

You plan to build an application that will use caption12345678. The application will be deployed to a virtual network named VNet1.

You need to ensure that only virtual machines on VNet1 can access caption12345678.

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

Answer: See explanation below.

Step 1: Create private endpoint for your web app

1. In the left-hand menu, select All Resources > caption12345678 - the name of your web app.

2. In the web app overview, select Settings > Networking.

3. In Networking, select Private endpoints.

4. Select + Add in the Private Endpoint connections page.

5. Enter or select the following information in the Add Private Endpoint page:

Name: Enter caption12345678.

Subscription Select your Azure subscription.

Virtual network Select VNet1.

Subnet: -

Integrate with private DNS zone: Select Yes.

6. Select OK.

Add Private Endpoint

X

Name *

mywebappendpoint



Subscription *

contoso subscription



Virtual network *

myVNet



Subnet *

mySubnet



i If you have a network security group (NSG) enabled for the subnet above, it will be disabled for private endpoints on this subnet only. Other resources on the subnet will still have NSG enforcement.

Integrate with private DNS zone ⓘ

No Yes

i Your private endpoint will be integrated with the private DNS zone 'privatelink.azurewebsites.net' in the resource group of the selected subnet. If the private DNS zone does not exist, it will be created automatically. [Learn more](#)

Reference:

<https://docs.microsoft.com/en-us/azure/private-link/tutorial-private-endpoint-webapp-portal>

✉️ **dalones213** 2 months, 3 weeks ago

Create a virtual network by selecting Firewall and virtual networks

upvoted 1 times

✉️ **halfway** 5 months, 1 week ago

Private endpoint is not the answer. Configure the service to allow access from selected network instead: <https://learn.microsoft.com/en-us/azure/cognitive-services/cognitive-services-virtual-networks?tabs=portal#managing-virtual-network-rules>

upvoted 2 times

<https://learn.microsoft.com/en-us/azure/cognitive-services/cognitive-services-virtual-networks?tabs=portal#managing-virtual-network-rules>

Question 10

IMULATION -

Use the following login credentials as needed:

To enter your username, place your cursor in the Sign in box and click on the username below.

To enter your password, place your cursor in the Enter password box and click on the password below.

Azure Username: admin@abc.com -

Azure Password: XXXXXXXXXXXX -

The following information is for technical support purposes only:

Lab Instance: 12345678 -

Task -

You need to ensure that a user named admin@abc.com can regenerate the subscription keys of AAA12345678. The solution must use the principle of least privilege.

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

Answer: See explanation below.

Manually rotate subscription keys

1. (Update your application code to reference the secondary key for the Azure account and deploy.)

2. In the Azure portal, navigate to your Azure account.

3. Under Settings, select Authentication.

4. To regenerate the primary key for your Azure account, select the Regenerate button next to the primary key.

5. (Update your application code to reference the new primary key and deploy.)

6. Regenerate the secondary key in the same manner.

Reference:

<https://github.com/MicrosoftDocs/azure-docs/blob/main/articles/azure-maps/how-to-manage-authentication.md>

 **mgafar** 1 month ago

1. Sign in to the Azure portal (<https://portal.azure.com/>) using your account credentials.
2. In the left-hand navigation menu, click on "All services" and search for "Subscriptions." Click on the "Subscriptions" service to open the list of your Azure subscriptions.
3. Find the subscription with the ID "AAA12345678" and click on it to open the subscription details page.
4. In the left-hand navigation menu of the subscription details page, click on "Access control (IAM)."
5. Click on the "+ Add" button to add a new role assignment. This will open the "Add role assignment" pane.
6. In the "Role" dropdown menu, search for and select the "User Access Administrator" role. This role allows a user to manage access to Azure resources, including the ability to manage subscription keys, while adhering to the principle of least privilege.
7. In the "Select" field, type "admin@abc.com" and select the user from the list of suggestions.
8. Click on the "Save" button to complete the role assignment process.

   upvoted 1 times

Question 11

SIMULATION -

You need to configure and publish bot12345678 to support task management. The intent must be named TaskReminder. The LUDown for the intent is in the C:

\Resources\LU folder.

To complete this task, use the Microsoft Bot Framework Composer.

Answer: See explanation below.

Step 1: Open Microsoft Bot Framework Composer

Step 2: Select the bot bot12345678

Step 3: Select Import existing resources. Read the instructions on the right side of the screen and select Next.

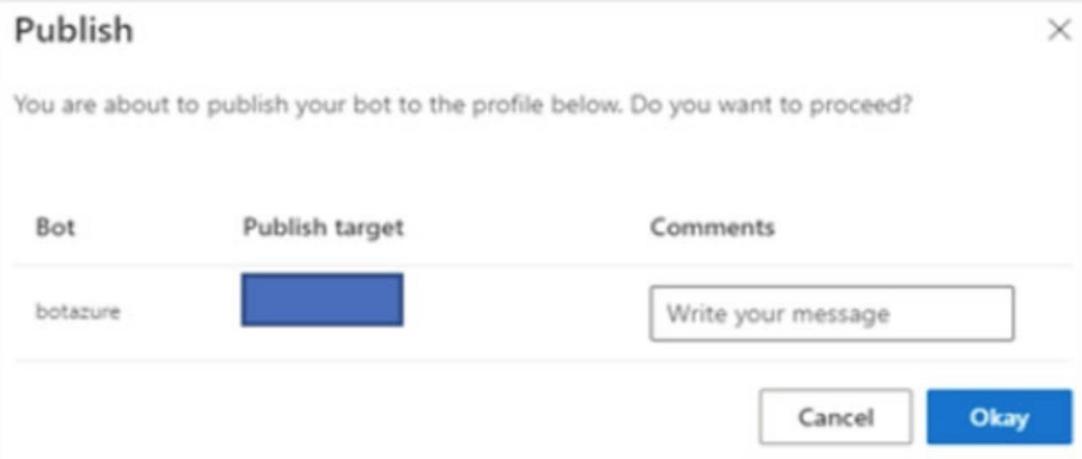
The screenshot shows the 'Add new publishing profile' dialog. On the left, there are three radio button options: 'Create new resources' (unchecked), 'Import existing resources' (checked), and 'Hand off to admin' (unchecked). On the right, under 'Import existing resources', it says: 'Select this option to import existing Azure resources and publish a bot.' Below that, it says: 'Edit the JSON file in the Publish Configuration field. You will need to find the values of associated resources in your Azure portal. A list of required and optional resources may include:' followed by a bulleted list: '- Microsoft Application Registration', '- Azure Hosting', '- Microsoft Bot Channels Registration', '- Azure Cosmos DB', '- Application Insights', '- Azure Blob Storage', '- Microsoft Language Understanding (LUIS)', and '- Microsoft QnA Maker'. At the bottom right of the panel is a 'Learn More' link.

Step 4: Browse to the C:\Resources\LU folder and select the available .lu file

Step 5: In the pop-up window Importing existing resources, modify the JSON file content based on your resources information: Name the intent

TaskReminder

Step 6: Select Publish from the Composer menu. In the Publish your bots pane, select the bot to publish (bot12345678), then select a publish profile from the Publish target drop-down list.



Reference:

<https://docs.microsoft.com/en-us/composer/how-to-publish-bot>

Question 12

SIMULATION -

You need to configure bot12345678 support the French (FR-FR) language.

Export the bot to C:\Resources\Bot\Bot1.zip.

To complete this task, use the Microsoft Bot Framework Composer.

Answer: See explanation below.

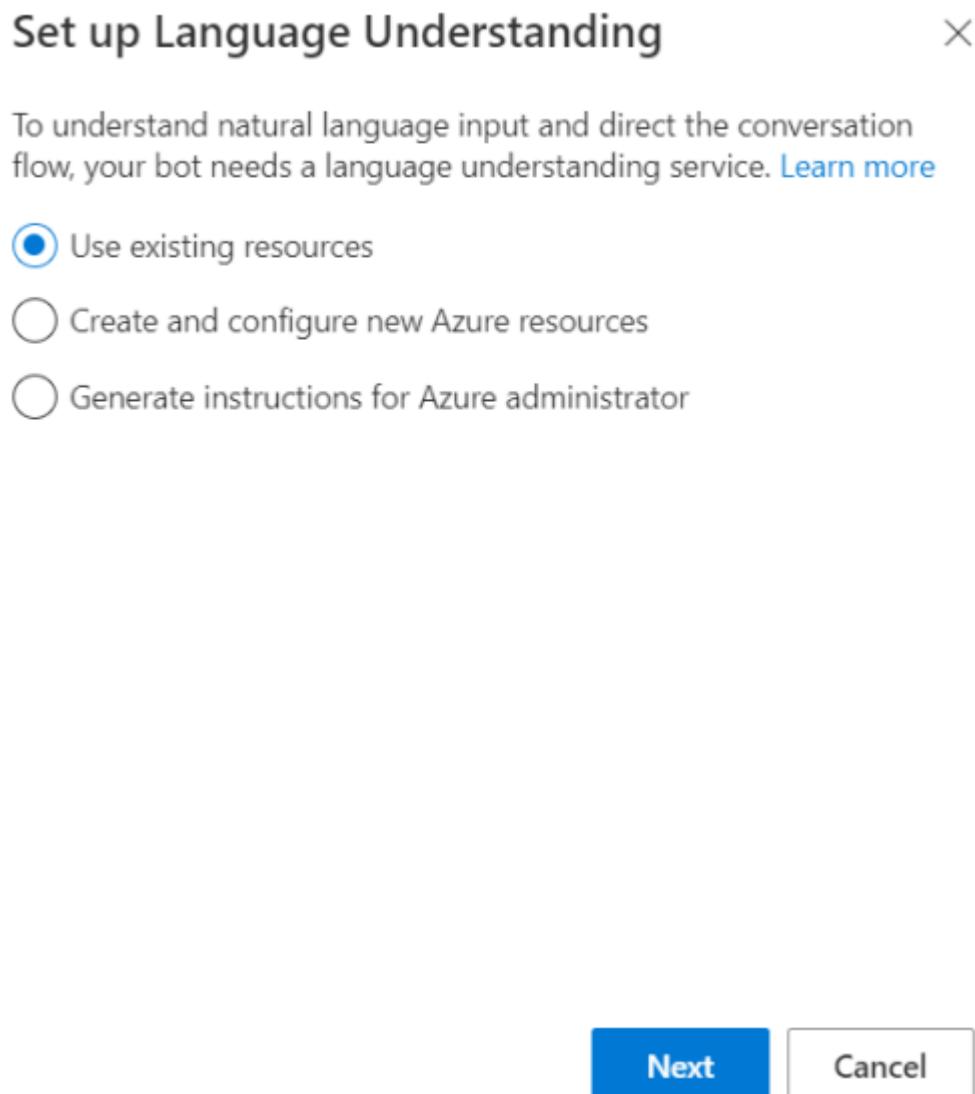
Step 1: Open Microsoft Bot Framework Composer

Step 2: Select the bot bot12345678

Step 3: Select Configure.

Step 4: Select the Azure Language Understanding tab

Step 5: Select the Set up Language Understanding button. The Set up Language Understanding window will appear, shown below:



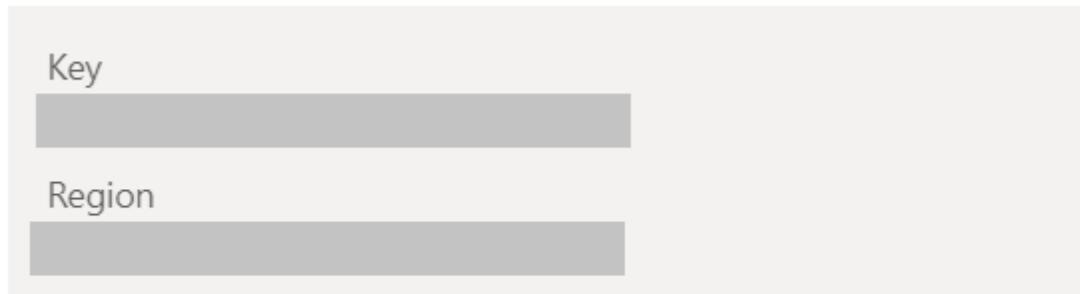
Step 6: Select Use existing resources and then select Next at the bottom of the window.

Step 7: Now select the Azure directory, Azure subscription, and Language Understanding resource name (French).

Step 8: Select Next on the bottom. Your Key and Region will appear on the next on the next window, shown below:

Select Language Understanding resources X

The following Language Understanding keys have been successfully added to your bot project:



Done

Step 9. Select Done -

Reference:

<https://docs.microsoft.com/en-us/composer/concept-language-understanding>

<https://docs.microsoft.com/en-us/composer/how-to-add-luis>

<https://learn.microsoft.com/en-us/composer/how-to-use-multiple-language?tabs=v2x#update-language-settings>

Question 13

SIMULATION -

You need to configure and publish bot12345678 to answer questions by using the frequently asked questions (FAQ) located at <https://docs.microsoft.com/en-us/azure/bot-service/bot-service-resources-bot-framework-faq>. The solution must use bot%@lab.LabInstance.ldqna-qna%.

To complete this task, use the Microsoft Bot Framework Composer.

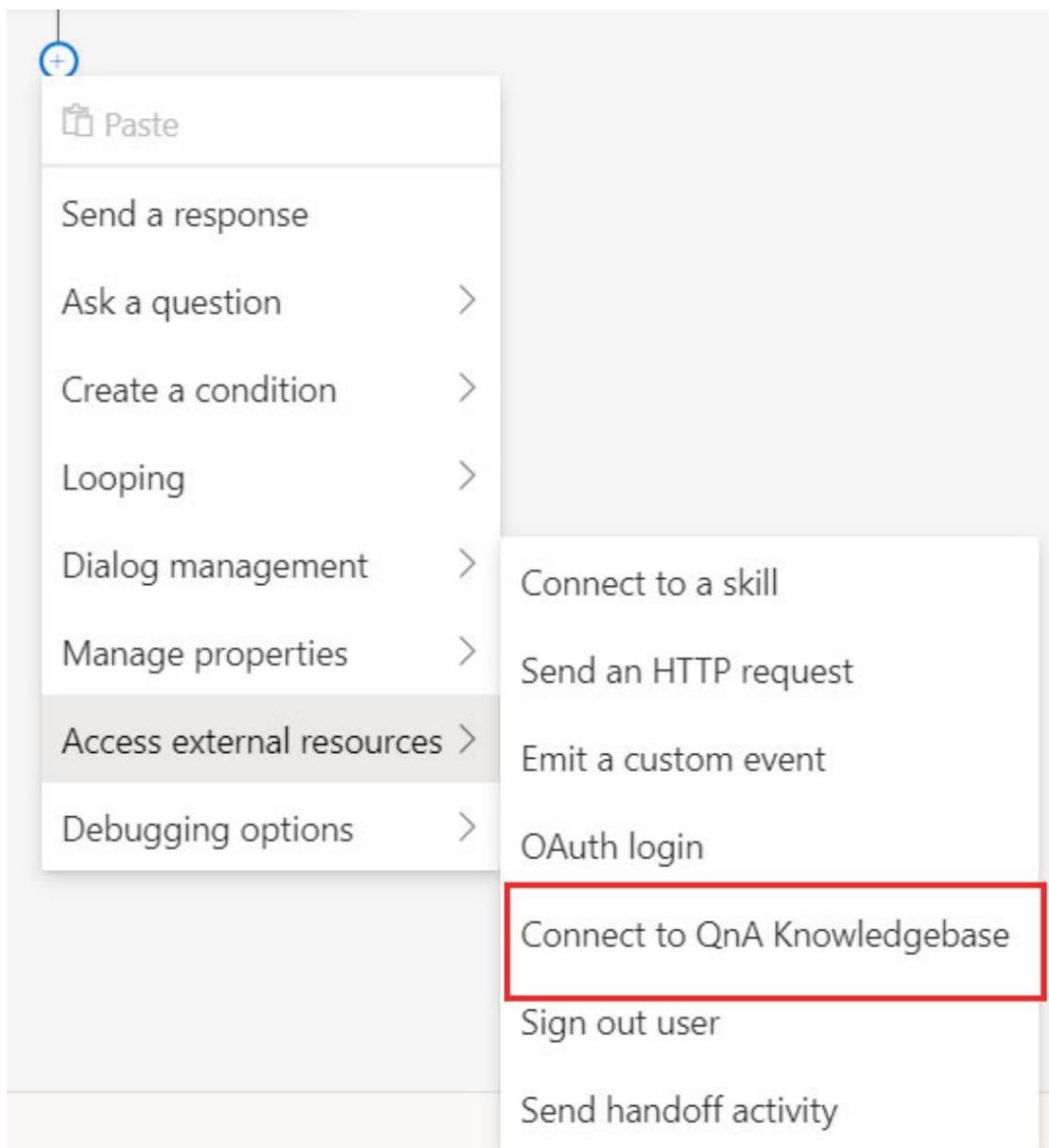
Answer: See explanation below.

Step 1: Open Microsoft Bot Framework Composer

Step 2: Select the bot bot12345678

Step 3: Open the Configure page in Composer. Then select the Development resources, and scroll down to Azure QnA Maker.

Step 4: To access the Connect to QnA Knowledgebase action, you need to select + under the node you want to add the QnA knowledge base and then select Connect to QnAKnowledgeBase from the Access external resources action menu.



Step 5: Review the QnA Maker settings panel after selecting the QnA Maker dialog.

Use:

Instance: bot%@lab.LabInstance.Id-qna-qna%

Reference:

<https://docs.microsoft.com/en-us/composer/how-to-create-qna-kb>

<https://docs.microsoft.com/en-us/composer/how-to-add-qna-to-bot>

Question 14

SIMULATION -

Use the following login credentials as needed:

To enter your username, place your cursor in the Sign in box and click on the username below.

To enter your password, place your cursor in the Enter password box and click on the password below.

Azure Username: admin@abc.com -

Azure Password: XXXXXXXXXXXX -

The following information is for technical support purposes only:

Lab Instance: 12345678 -

Task -

You need to create and publish a Language Understanding (classic) model named

1u12345678. The model will contain an intent of Travel that has

an utterance of

Boat.

To complete this task, sign in to the Language Understanding portal at <http://www.luis-ai/>.

Answer: See explanation below.

Create your LUIS model -

1. You should navigate to your LUIS.ai management portal and create a new application. In the portal create a model.

Model name: 1u12345678 -

2. Define one intent as «Travel» and add an example utterances of Boat.

The screenshot shows the LUIS.ai management portal interface. The top navigation bar includes 'DASHBOARD', 'BUILD' (which is selected), 'MANAGE', 'Train' (with a red dot), 'Test', and 'Publish'. On the left, a sidebar titled 'Scheduling (v 0.1)~' lists 'App Assets' (Intents, Entities), 'Improve app performance' (Review endpoint utterances, Phrase lists, Patterns), and 'Prebuilt Domains' (with a 'PREVIEW' link). The main workspace is titled 'Schedule appointment' with a red border. It contains a text input field with placeholder 'Type about 5 examples of what a user might say and hit Enter' and a red-bordered list of utterances: 'i want to schedule with my doctor', 'can you book an appointment next week for me?', 'how do i make a new booking?', 'i want to schedule an appointment', and 'how do i book an appointment?'. To the right of the utterances are 'Labeled intent' dropdown menus, all set to 'Schedule ap...', and three-dot ellipsis buttons. Below the workspace, a section titled 'Entities used in this intent' shows a table with columns 'Name' and 'Labeled utterances'. A note states 'There are no entities in use.' At the bottom left of the workspace is a 'Prebuilt Domains' link.

3. Publish the model

In order to use your model, you have to publish it. This is as easy as hitting the Publish tab, selecting between the production or staging environments, and hitting

Publish. As you can see from this page, you can also choose to enable sentiment analysis, speech priming to improve speech recognition, or the spell checker.

For now, you can leave those unchecked.

Reference:

https://docs.microsoft.com/en-us/azure/health-bot/language_model_howto

<https://www.codemag.com/article/1809021/Natural-Language-Understanding-with-LUIS>

Question 15

SIMULATION -

Use the following login credentials as needed:

To enter your username, place your cursor in the Sign in box and click on the username below.

To enter your password, place your cursor in the Enter password box and click on the password below.

Azure Username: admin@abc.com -

Azure Password: XXXXXXXXXXXX -

The following information is for technical support purposes only:

Lab Instance: 12345678 -

Task -

You need to create a version of the 1u12345678 Language Understanding (classic) model.

The new version must have a version name of 1.0 and
must be active.

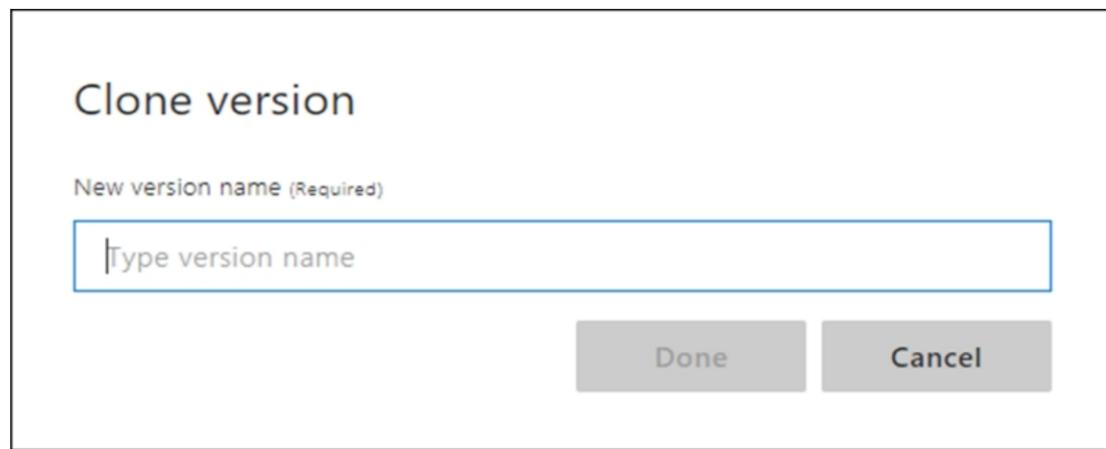
To complete this task, sign in to the Language Understanding portal at <https://www.luis.ai/>.

Answer: See explanation below.

Step 1: Clone a version -

1. Select the version you want to clone (1u12345678) then select Clone from the toolbar.

2. In the Clone version dialog box, type a name for the new version. Type 1.0



Step 2: Set active version -

Select a version from the list, then select Activate from the toolbar.

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-how-to-manage-versions>

Question 16

SIMULATION -

Use the following login credentials as needed:

To enter your username, place your cursor in the Sign in box and click on the username below.

To enter your password, place your cursor in the Enter password box and click on the password below.

Azure Username: admin@abc.com -

Azure Password: XXXXXXXXXXXX -

The following information is for technical support purposes only:

Lab Instance: 12345678 -

Task -

You need to create an Azure resource named solution12345678 that will index a sample database named realestate-us-sample. The solution must ensure that users can search the index in English for people, organizations, and locations.

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

Answer: See explanation below.

Step 1 - Start the Import data wizard and create a data source

1. Sign in to the Azure portal with your Azure account.

2. Find your search service and on the Overview page, click Import data on the command bar to create and populate a search index.

The screenshot shows the 'Import data' wizard in the Microsoft Azure portal. At the top, there are tabs: 'Connect to your data' (which is selected), 'Enrich content (Optional)', 'Customize target index', and 'Create an indexer'. Below these tabs, a note says: 'Create and load a search index using data from an existing Azure data source in your current subscription. Azure Cognitive Search crawls the data structure you provide, extracts searchable content, optionally enriches it with cognitive skills, and loads it into an index.' Under the 'Data Source' section, a dropdown menu is open, showing 'Samples' (circled with red number 1). In the 'Type' section, there are two rows: one for 'realestate-us-sample' (with a small icon) and another for 'hotels-sample' (also with a small icon, circled with red number 2).

3. In the wizard, click Connect to your data, and select the sample database named realestate-us-sample

Step 2 - Skip the "Enrich content" page

The wizard supports the creation of an AI enrichment pipeline for incorporating the Cognitive Services AI algorithms into indexing.

We'll skip this step for now, and move directly on to Customize target index.

Step 3 - Configure index -

The solution must ensure that users can search the index in English for people, organizations, and locations.

Configure Searchable for the fields people, organizations, and locations.

Home > Microsoft.Search - Overview > my-new-search-service > Import data

Import data

Connect to your data Enrich content (Optional) **Customize target index*** Create an indexer

We provided a default index for you. You can delete the fields you don't need. Everything is editable, but once the index is built, deleting or changing existing fields will require re-indexing your documents.

Index name * ⓘ
hotels-sample-index

Key * ⓘ
HotellId

Suggester name
sg

Search mode ⓘ

+ Add field + Add subfield ⌂ Delete

Field name	Type	Retrievable	Filterable	Sortable	Facetable	Searchable	Analyzer	Suggester
HotellId	Edm.String	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	English - Microsoft	English - Microsoft
HotelName	Edm.String	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	English - Microsoft	English - Microsoft
Description	Edm.String	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	English - Microsoft	English - Microsoft

The 'Searchable' and 'Analyzer' columns for all three fields are highlighted with red boxes.

Reference:

<https://docs.microsoft.com/en-us/azure/search/search-get-started-portal>

Question 17

SIMULATION -

You need to create and publish a bot that will use Language Understanding and QnA Maker. The bot must be named bot12345678. You must publish the bot by using the User1-12345678@abc.com account.

NOTE: Complete this task first. It may take several minutes to complete the required deployment steps. While this is taking place, you can complete tasks 2-6 in this lab during the deployment.

To complete this task, use the Microsoft Bot Framework Composer.

Answer: See explanation below.

Step 1: Sign in to the QnAMaker.ai portal with your Azure credentials. Use the User1-12345678@abc.com account

Step 2: Publish the knowledge base. In the QnA Maker portal, select Publish. Then to confirm, select Publish on the page.

The QnA Maker service is now successfully published. You can use the endpoint in your application or bot code.

Success! Your service has been deployed. What's next?

You can always find the deployment details in your service's settings.

[Create Bot](#)

[View](#) all your bots on the Azure Portal.

Use the below HTTP request to call your Knowledgebase. [Learn more.](#)

[Postman](#)

[Curl](#)

```
POST /knowledgebases/ <knowledge-base-ID> /generateAnswer
Host: https://so-15indexes.azurewebsites.net/qnamaker
Authorization: EndpointKey <Authorization-key>
Content-Type: application/json
{"question":<Your question>"}
```

Need to fine-tune and refine? Go back and keep editing your service.

[Edit Service](#)

Step 3: In the QnA Maker portal, on the Publish page, select Create bot.

This button appears only after you've published the knowledge base.

After publishing the knowledge base, you can create a bot from the Publish page.

Success! Your service has been deployed. What's next?

You can always find the deployment details in your service's settings.

[Create Bot](#)

[View](#) all your bots on the Azure Portal.

Use the below HTTP request to call your Knowledgebase. [Learn more.](#)

[Postman](#) [Curl](#)

```
POST /knowledgebases/ <knowledge-base-ID> /generateAnswer
Host: https://so-15indexes.azurewebsites.net/qnamaker
Authorization: EndpointKey <Authorization-key>
Content-Type: application/json
{"question":<Your question>"}
```

Need to fine-tune and refine? Go back and keep editing your service.

[Edit Service](#)

Step 4: A new browser tab opens for the Azure portal, with the Azure Bot Service's creation page. Configure the Azure bot service.

Bot name: bot12345678 -

The bot will be created.

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/quickstarts/create-publish-knowledge-base>

Question 18

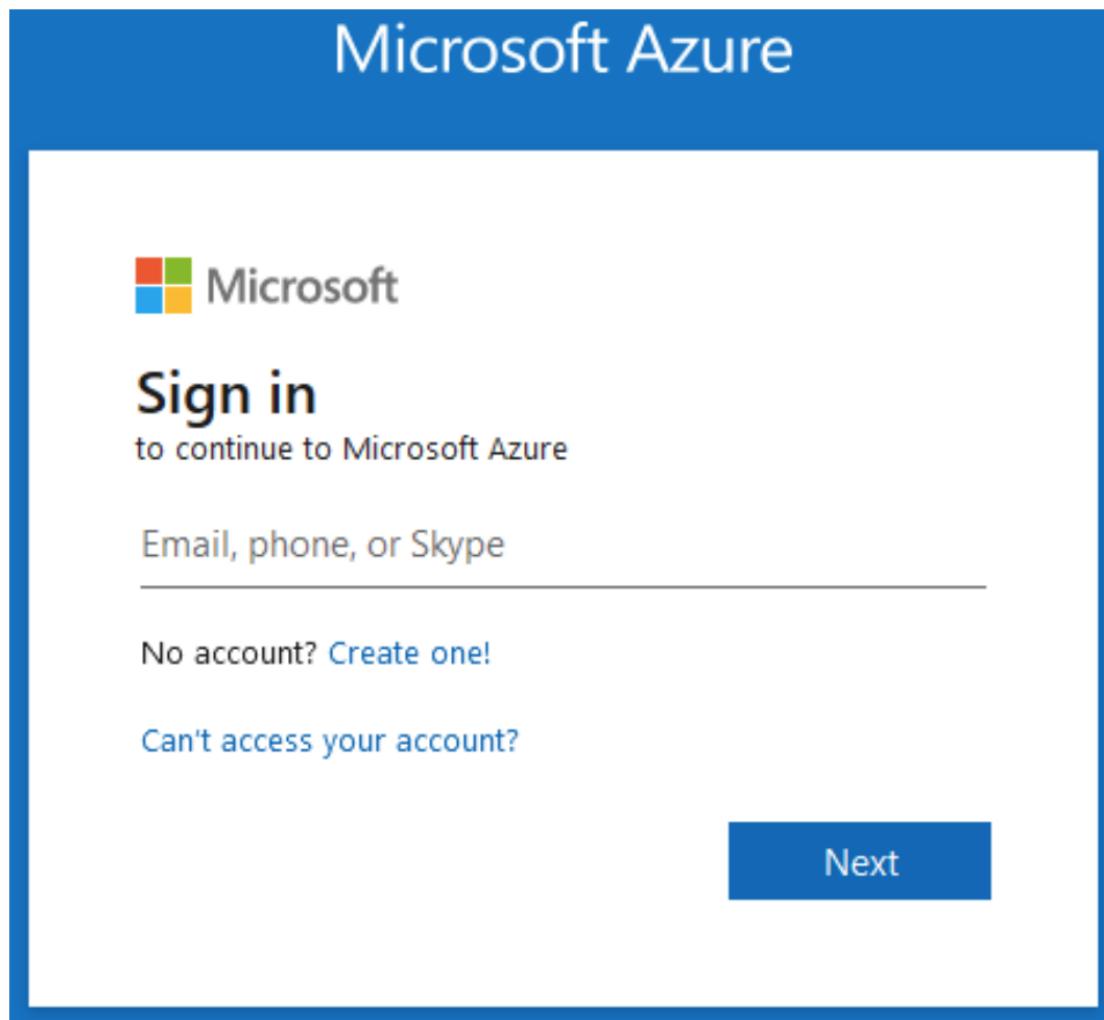
SIMULATION -

You need to create a QnA Maker service named QNA12345678 in the East US Azure region. QNA12345678 must contain a knowledge base that uses the questions and answers available at <https://support.microsoft.com/en-us/help/12435/windows-10-upgrade-faq>.

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

Answer: See explanation below.

Step 1: Sign in to the Azure portal create and a QnA Maker resource.



Step 2: Select Create after you read the terms and conditions:

QnA Maker
Microsoft

Microsoft's QnAMaker is a Cognitive Service tool that uses your existing content to build and train a simple question and answer bot that responds to users in a natural, conversational way. QnA Maker ingests FAQ URLs, structured documents, and product manuals, extracts all possible question and answer pairs from the content.

A common challenge for most informational Bot scenarios is to separate out the content management from the Bot design and development, as content owners are usually domain experts who may not be technical. QnAMaker addresses this by enabling a no-code QnA management experience.

QnA Maker allows you to edit, remove, or add QnA pairs with an easy-to-use interface, then publish your knowledge base as an API endpoint for a bot service. It's simple to text and train the bot using a familiar chat interface, and the active learning feature automatically learns questions variations from users over time and adds them to your knowledge base. Use the QnA Maker endpoint to seamlessly integrate with other APIs like Language Understanding service and Speech APIs to interpret and answer user questions in different ways.

Legal Notice

Microsoft will use data you send to the Cognitive Services to improve Microsoft products and services. For example, we will use content that you provide to the Cognitive Services to improve

Create

Step 3: In QnA Maker, select the appropriate tiers and regions.

Name: QNA12345678 -

In the Name field, enter a unique name to identify this QnA Maker service. This name also identifies the QnA Maker endpoint that your knowledge bases will be associated with.

Resource Group Location: East US Azure

Create

QnA Maker

* Name
myqnamakerservice ✓

* Subscription
team

* Pricing tier (View full pricing details)
F0 (3 managed documents per month, 3 tr... ✓

* Resource group
(New) myqnamakerservice ✓
[Create new](#)

* Resource group location ⓘ
(US) Central US ✓

* Search pricing tier (View full pricing details)
B (15 Indexes) ✓

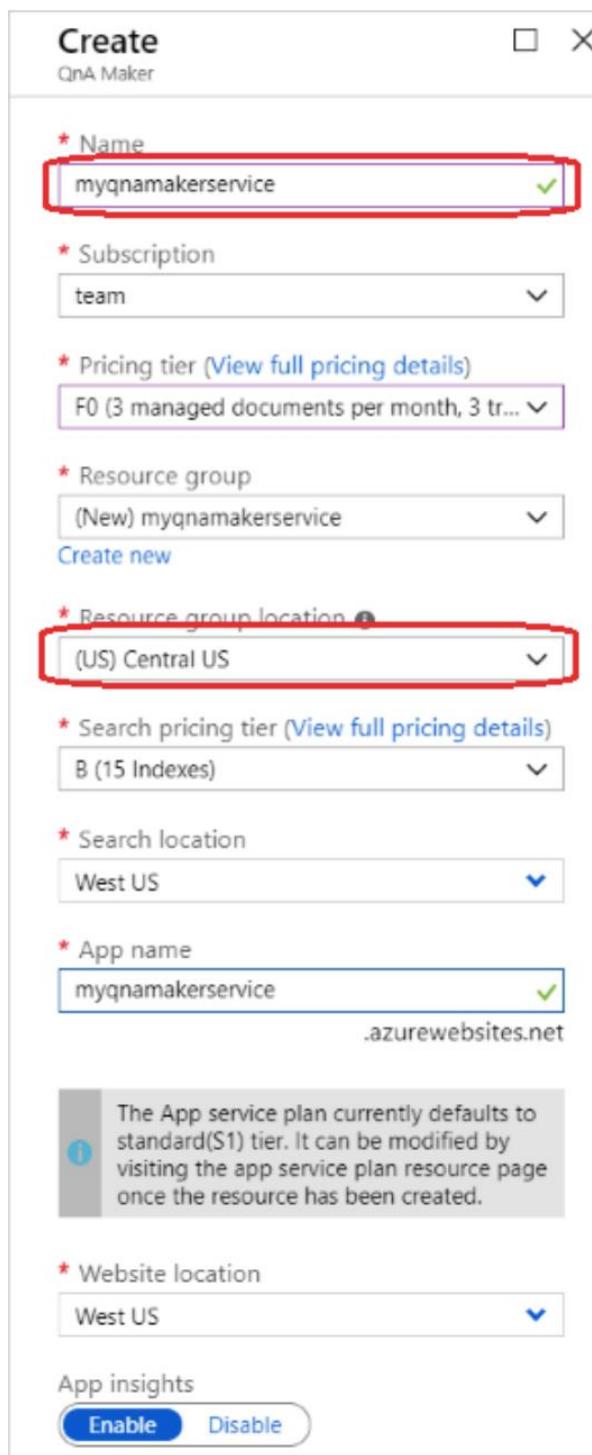
* Search location
West US

* App name
myqnamakerservice ✓
.azurewebsites.net

Info The App service plan currently defaults to standard(S1) tier. It can be modified by visiting the app service plan resource page once the resource has been created.

* Website location
West US

App insights
[Enable](#) [Disable](#)



Step 4: After all the fields are validated, select Create. The process can take a few minutes to complete.

After deployment is completed, you'll see the following resources created in your subscription:

Remember your Azure Active Directory ID, Subscription, QnA resource name you selected when you created the resource.

Step 5: When you are done creating the resource in the Azure portal, return to the QnA Maker portal, refresh the browser page.

Step 6: In the QnA Maker portal, select Create a knowledge base.

Step 7: Skip Step 1 as you already have your QnA Maker resource.

Step 8: In Step 2, select your Active directory, subscription, service (resource), and the language for all knowledge bases created in the service.

Azure QnA service: QNA12345678 –

STEP 2 Connect your QnA service to your KB.

After you create an Azure QnA service, refresh this page and then select your Azure service using the options below

Refresh

* Microsoft Azure Directory ID

Microsoft

* Azure subscription name

documentationteam

* Azure QnA service

qna-maker-10

* Language

English

Step 9: In Step 3, name your knowledge base

Step 10: In Step 4, configure the following setting:

+ Add URL: <https://support.microsoft.com/en-us/help/12435/windows-10-upgrade-faq>

Question 19

SIMULATION -

You need to add a question pair to the published knowledge base used by a QnA Maker service named QNA12345678. The question must be:

'What will be the next version of Windows?'

The answer must be: 'Windows 11'.

To complete this task, sign in to the QnA Maker portal.

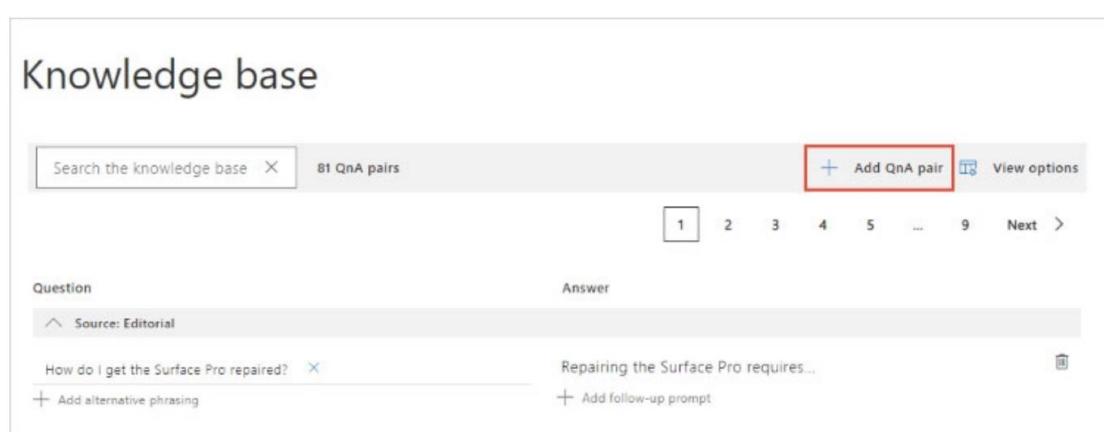
Answer: Answer: Windows 11

Step 1: Sign in to the QnA portal, then select the knowledge base to add the QnA pair to.

Step 2: On the EDIT page of the knowledge base, select Add QnA pair to add a new QnA pair.

Step 3: In the new QnA pair row, add the required question and answer fields. The other fields are optional. All fields can be changed at any time.

Question: What will be the next version of Windows?



The screenshot shows the 'Knowledge base' page of the QnA Maker portal. At the top, there is a search bar, a status message '81 QnA pairs', and a red-bordered 'Add QnA pair' button. Below the header is a navigation bar with page numbers (1, 2, 3, 4, 5, ..., 9, Next) and a 'View options' dropdown. The main area displays a table with two columns: 'Question' and 'Answer'. A single row is visible, representing a QnA pair. The 'Question' column contains the text 'How do I get the Surface Pro repaired?' and the 'Answer' column contains 'Repairing the Surface Pro requires...'. There are also buttons for 'Add alternative phrasing' and 'Add follow-up prompt'.

Step 4: Select Save and train to see predictions including the new QnA pair.

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/how-to/edit-knowledge-base>

Question 20

SIMULATION -

Use the following login credentials as needed:

To enter your username, place your cursor in the Sign in box and click on the username below.

To enter your password, place your cursor in the Enter password box and click on the password below.

Azure Username: admin@abc.com -

Azure Password: XXXXXXXXXXXX -

The following information is for technical support purposes only:

Lab Instance: 12345678 -

Task -

You have a bot that was developed by using the Microsoft Bot Framework SDK. The bot is available at an endpoint of

<https://bot.contoso.com/api/messages>.

You need to create an Azure Bot named bot12345678 that connects to the bot.

To complete this task, sign in to the Azure portal

Answer: See explanation below.

Create the resource -

Create the Azure Bot resource, which will allow you to register your bot with the Azure Bot Service.

1. Go to the Azure portal.
2. In the right pane, select Create a resource.
3. In the search box enter bot, then press Enter.
4. Select the Azure Bot card.



Azure Bot

Microsoft

Azure Service

Build enterprise-grade conversational AI experiences with Bot Framework Composer or SDK.

Create ▾



5. Select Create.
6. Enter values in the required fields. Choose which type of app to create and whether to use existing or create new identity information.

Pricing

Select a pricing tier for your Azure Bot resource. You can change your selection later in the Azure portal's resource management. Learn more about available options, or request a pricing quote, by visiting the [Azure Bot Services pricing](#)

Pricing tier *	Standard Change plan
Microsoft App ID	
A Microsoft App ID is required to create an Azure Bot resource. If your bot app doesn't need to access resources outside of its home tenant and if your bot app will be hosted on an Azure resource that supports Managed Identities, then choose option User-Assigned Managed Identity so that Azure takes care of managing the App credentials for you. Otherwise, depending on whether your bot will be accessing resources only in it's home tenant or not, choose either Single tenant or Multi tenant option respectively.	
Type of App	<input checked="" type="button"/> User-Assigned Managed Identity ▼

i Note: For User-Assigned Managed Identity and Single Tenant app, Azure Portal's "Open in Composer" link is not yet supported for bots with these app types. BotFramework SDK (C# or Javascript) version 4.15.0 or higher is needed for these app types.

A User-assigned managed identity can be automatically created below or you can manually create your own, then return to input your new App ID, tenant ID and MSI resource ID in the open fields.

[Manually create a User Managed Identity](#)

Creation type

- Create new Microsoft App ID
 Use existing app registration

7. Select Review + create.
 8. If the validation passes, select Create.
 9. Once the deployment completes, select Go to resource. You should see the bot and related resources listed in the resource group you selected.
 10. Enter the endpoint of the Bot Framework SDK: <https://bot.contoso.com/api/messages>
- Reference:
- <https://docs.microsoft.com/en-us/azure/bot-service/abs-quickstart?view=azure-bot-service-4.0&tabs=userassigned>