QUESTION 143
You plan to develop a bot that tracks communications between the employees at your company.
You need to identify which channel the bot must use to monitor reactions to messages by employees.
What should you identify?

A. Microsoft Cortana
B. Microsoft Outlook
C. Microsoft Teams

Answer: C
Explanation:
Bots in Microsoft Teams can be part of a one-to-one conversation, a group chat, or a channel in a Team.
Note: In Microsoft Teams, teams are groups of people brought together for work, projects, or common interests. Teams are made up of channels. Each channel is built around a topic, like "Team Events," a department name, or just for fun. Channels are where you hold meetings, have conversations, and work on files together.
References:
https://docs.microsoft.com/en-us/microsoftteams/platform/bots/what-are-bots

QUESTION 144
You plan to implement a bot that will require user authentication.
You need to recommend a secure solution that provides encryption for the authentication of the bot.
Which two security solutions should you include in the recommendation? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

A. NTLM
B. JSON Web Token (JWT)
C. API keys
D. smart cards
E. SSL/TLS

Answer: BE
Explanation:
Your bot communicates with the Bot Connector service using HTTP over a secured channel (SSL/TLS).
JSON Web Tokens are used to encode tokens that are sent to and from the bot.
References:
https://docs.microsoft.com/en-us/azure/bot-service/rest-api/bot-framework-rest-connector-authentication

QUESTION 145
The development team at your company builds a bot by using C# and .NET.
You need to deploy the bot to Azure.

Which tool should you use?

A. the .NET Core CLI
B. the Azure CLI
C. the Git CLI
D. the AzCopy toll

Answer: B
Explanation:
The deployment process documented here uses one of the ARM templates to provision required resources for the bot in Azure by using the Azure CLI.
Note: When you create a bot using the Visual Studio template, Yeoman template, or Cookiecutter template the source code generated includes a deploymentTemplates folder that contains ARM templates.
References:
https://docs.microsoft.com/en-us/azure/bot-service/bot-builder-deploy-az-cli

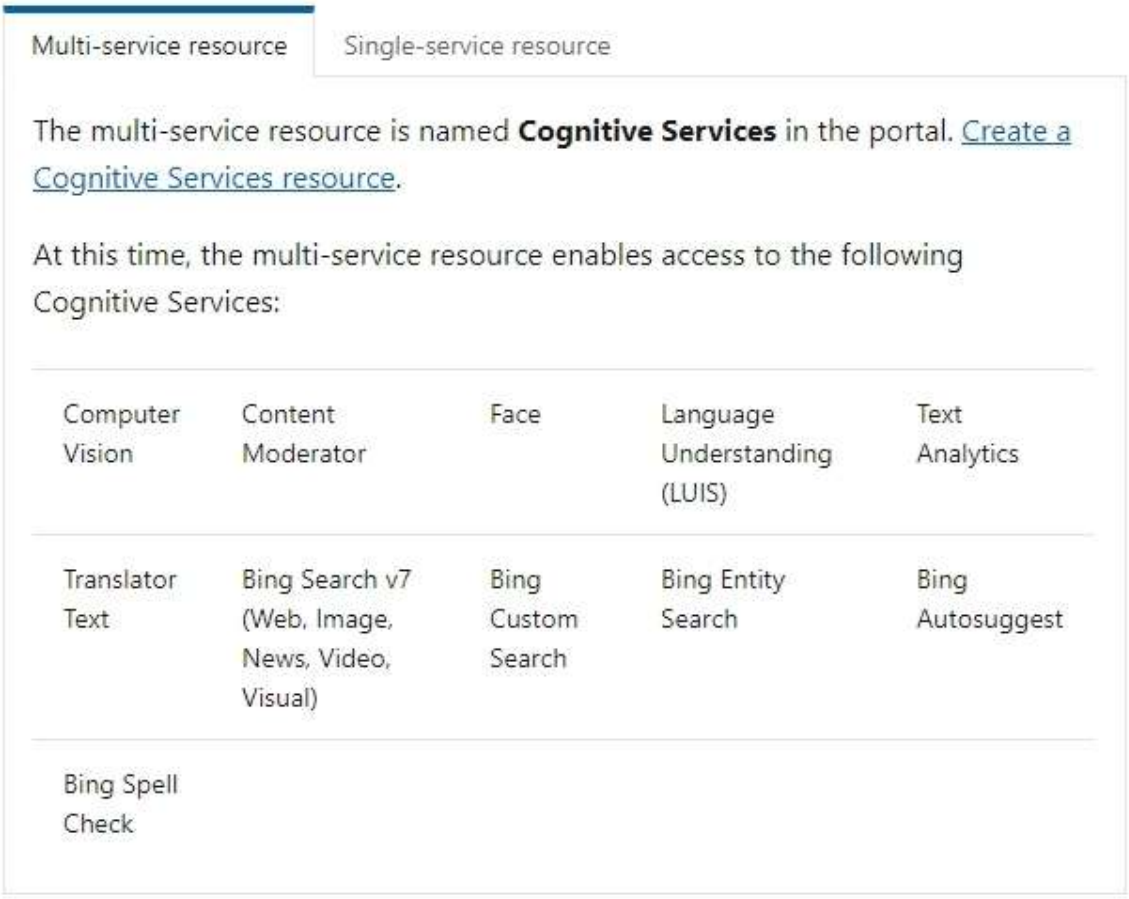
QUESTION 146
You need to create a new app that will consume resources from the following Azure Cognitive Services APIs:

```
- Face API
- Bing Search
- Text Analytics
- Translator Text
- Language Understanding (LUIS)
```

The solution must prepare the development environment as quickly as possible.
What should you create first from the Azure portal?

A. an Azure Key Vault resource
B. a Cognitive Services resource
C. an Azure Kubernetes Service (AKS) resource
D. Face and Language Understanding (LUIS) resources

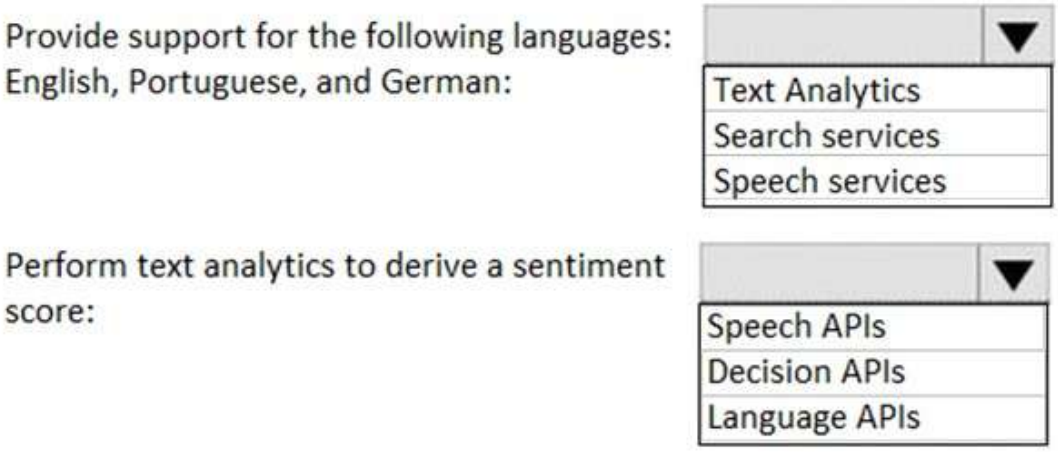
Answer: B
Explanation:
After creating a Cognitive Service resource in the Azure portal, you'll get an endpoint and a key for authenticating your applications.
Create a new Azure Cognitive Services resource
1. Create a resource.



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

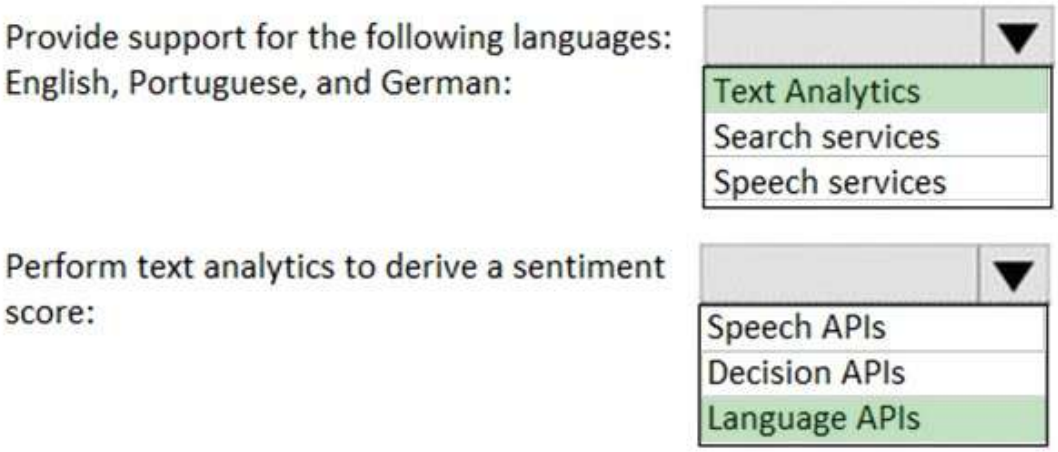
QUESTION 147
Hotspot Question
You plan to use Azure Cognitive Services to provide the development team at your company with the ability to create intelligent apps without having direct AI or data science skills.
The company identifies the following requirements for the planned Cognitive Services deployment:
- Provide support for the following languages: English, Portuguese, and German.
- Perform text analytics to derive a sentiment score.
Which Cognitive Service service should you deploy for each requirement? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Answer Area



Answer:

Answer Area

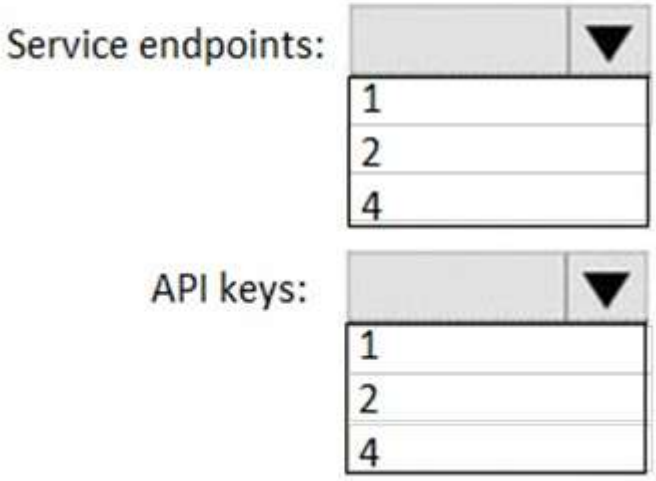


Explanation:
Box 1: Text Analytics
The Language Detection feature of the Azure Text Analytics REST API evaluates text input for each document and returns language identifiers with a score that indicates the strength of the analysis.
Box 2: Language API
References:
https://docs.microsoft.com/en-us/azure/cognitive-services/text-analytics/how-tos/text-analytics-how-to-language-detection
https://docs.microsoft.com/en-us/azure/azure-databricks/databricks-sentiment-analysis-cognitive-services

QUESTION 148
Hotspot Question
You plan to deploy the Text Analytics and Computer Vision services. The Azure Cognitive Services will be deployed to the West US and East Europe Azure regions.
You need to identify the minimum number of service endpoints and API keys required for the planned deployment.
What should you identify? To answer, select the appropriate options in the answer area.

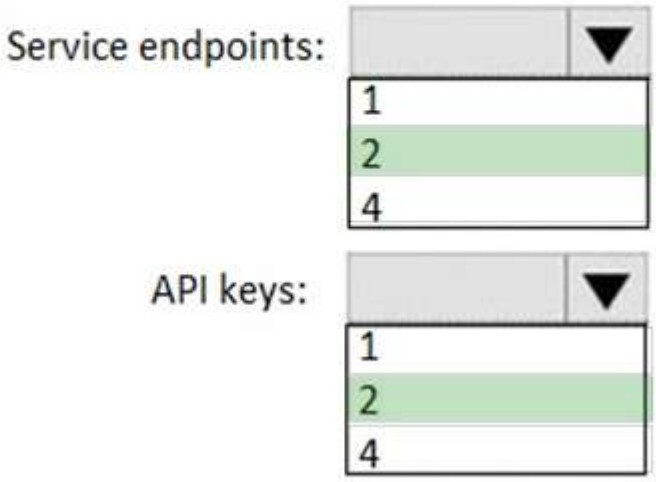
NOTE: Each correct selection is worth one point.

Answer Area



Answer:

Answer Area



Explanation:
Box 1: 2
After creating a Cognitive Service resource in the Azure portal, you'll get an endpoint and a key for authenticating your applications. You can access Azure Cognitive Services through two different resources: A multi-service resource, or a single-service one. Multi-service resource: Access multiple Azure Cognitive Services with a single key and endpoint.
Note: You need a key and endpoint for a Text Analytics resource. Azure Cognitive Services are represented by Azure resources that you subscribe to.
Each request must include your access key and an HTTP endpoint. The endpoint specifies the region you chose during sign up, the service URL, and a resource used on the request Box 2: 2
You need at least one key per region.

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

QUESTION 149
A company has a Microsoft Azure HDInsight solution that uses different cluster types to process and analyze data. Operations are continuous. Reports indicate slowdowns during a specific time window.
You need to determine a monitoring solution to track down the issue in the least amount of time.
What should you use?

A. Azure Log Analytics log search query
B. Ambari REST API
C. Azure Monitor Metrics
D. HDInsight .NET SDK
E. Azure Log Analytics alert rule query

Answer: B

QUESTION 150
You are developing deep learning models to analyze semi-structured, unstructured, and structured data types.
You have the following data available for model building:
- Video recordings of sporting events
- Transcripts of radio commentary about events
- Logs from related social media feeds captured during sporting events
You need to select an environment for creating the model.
Which environment should you use?

A. Azure Cognitive Services
B. Azure Data Lake Analytics
C. Azure HDInsight with Spark MLib
D. Azure Machine Learning Studio

Answer: A

QUESTION 151
You must store data in Azure Blob Storage to support Azure Machine Learning.
You need to transfer the data into Azure Blob Storage.
What are three possible ways to achieve the goal? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

A. Bulk Insert SQL Query
B. AzCopy
C. Python script
D. Azure Storage Explorer
E. Bulk Copy Program (BCP)

Answer: BCD
Explanation:
You can move data to and from Azure Blob storage using different technologies:
Azure Storage-Explorer
AzCopy
Python
SSIS
References:
https://docs.microsoft.com/en-us/azure/machine-learning/team-data-science-process/move-azure-blob

QUESTION 152

You are moving a large dataset from Azure Machine Learning Studio to a Weka environment.
You need to format the data for the Weka environment.
Which module should you use?

A. Convert to CSV
B. Convert to Dataset
C. Convert to ARFF
D. Convert to SVMLight

Answer: C
Explanation:
Use the Convert to ARFF module in Azure Machine Learning Studio, to convert datasets and results in Azure Machine Learning to the attribute-relation file format used by the Weka toolset. This format is known as ARFF.
The ARFF data specification for Weka supports multiple machine learning tasks, including data preprocessing, classification, and feature selection. In this format, data is organized by entites and their attributes, and is contained in a single text file.
References:
https://docs.microsoft.com/en-us/azure/machine-learning/studio-module-reference/convert-to-arff

QUESTION 153
Your company manages a sports team.
The company sets up a video booth to record messages for the team.
Before replaying the messages on a video screen, you need to generate captions for the messages and check the sentiment of the video to ensure that only positive messages are played.
Which Azure Cognitive Services service should you use?

A. Language Understanding (LUIS)
B. Speaker Recognition
C. Custom Vision
D. Video Indexer

Answer: D
Explanation:
Video Indexer includes Audio transcription: Converts speech to text in 12 languages and allows extensions. Supported languages include English, Spanish, French, German, Italian, Mandarin Chinese, Japanese, Arabic, Russian, Portuguese, Hindi, and Korean.
When indexing by one channel, partial result for those models will be available, such as sentiment analysis: Identifies positive, negative, and neutral sentiments from speech and visual text.
Reference:
https://docs.microsoft.com/en-us/azure/media-services/video-indexer/video-indexer-overview

QUESTION