

# Microsoft AI-102 Exam keywords

**Microsoft Azure Certification Details**

### AI-102: Designing and Implementing a Microsoft Azure AI Solution

<b>Prior Certification</b> Not Required	<b>Exam Validity</b> 1 Year	<b>Exam Fee</b> \$165 USD
<b>Exam Duration</b> 180 Minutes	<b>No. of Questions</b> 40-60 Questions	<b>Passing Marks</b> 700
<b>Recommended Experience</b> Skills to build, manage, and deploy AI solutions that leverage Azure Cognitive Services and Azure Applied AI services		<b>Exam Format</b> Multiple choice, Drag & drop, Case studies, Multiple response
<b>Languages</b> English, Japanese, Chinese (Simplified), Korean, German, French, Spanish, Portuguese (Brazil), Arabic (Saudi Arabia), Russian, Chinese (Traditional), Italian, Indonesian (Indonesia)		

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To Pass AI-102 Exam, candidates must demonstrate their ability to design and implement AI solutions that meet business requirements, optimize performance, and ensure data privacy and security. They must also be able to develop and deploy machine learning models, create intelligent bots and agents, and integrate AI capabilities into existing applications and services.

>> AI-102 Relevant Questions <<

## Efficient and Convenient Preparation with ValidBraindumps's Updated AI-102 Exam Questions

The Microsoft AI-102 practice exam will be a great help because you are left with little time to prepare for the Microsoft AI-102 certification exam which you cannot waste to make time for the Microsoft AI-102 Exam Questions. Get the Microsoft AI-102 certification by preparing through Microsoft AI-102 exam questions that will help you pass the Microsoft AI-102 exam.

The Microsoft AI-102 Exam covers various topics related to AI solution development, including designing and implementing AI workflows, creating natural language processing solutions, leveraging computer vision techniques, and implementing machine learning models. It also tests the candidate's ability to work with Azure services such as Azure Cognitive Services, Azure Machine Learning, and Azure Databricks.

## Microsoft Designing and Implementing a Microsoft Azure AI Solution Sample Questions (Q139-Q144):

### NEW QUESTION # 139

Match the Azure services to the appropriate locations in the architecture.

To answer, drag the appropriate service from the column on the left to its location on the right. Each service may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

Answer:

Explanation:

### NEW QUESTION # 140

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.

#### Answer:

Explanation:

Reference:

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

### NEW QUESTION # 141

You are building a call handling system that will receive calls from French-speaking and German-speaking callers. The system must perform the following tasks;

\* Capture inbound voice messages as text.

\* Replay messages in English on demand.

Which Azure Cognitive Services should you use? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

#### Answer:

Explanation:

Explanation:

\* Speech-to-text converts the caller's spoken French/German audio into text.

\* The text must then be translated to English.

\* Finally, Text-to-speech converts the translated text into spoken English for playback.

\* Therefore, the combination of Translator + Text-to-speech is required for the replay step.

\* Speech-to-text in Azure AI Speech

\* Azure AI Translator

\* Text-to-speech in Azure AI Speech

Final Answer:

\* To capture messages # Speech-to-text

\* To replay messages # Text-to-speech and Translator

### NEW QUESTION # 142

Select the answer that correctly completes the sentence.

#### Answer:

Explanation:

Explanation:

Topic 2, Wide World Importers

Case study

This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.

At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.

To start the case study

To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.

Overview

Existing Environment

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.

Applications

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

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 wwivc
- \* A 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 all 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 autosuggestion 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.

### NEW QUESTION # 143

You are building a social media messaging app.

You need to identify in real time the language used in messages.

Which SDK package should you install?

- A. Azure.AI.Translation.Document
- B. Azure.AI.Translation.Text
- C. Microsoft.CognitiveServices.Speech
- D. Azure.AI.Translation.Speech

**Answer: B**

Explanation:

For a social media messaging app that must identify the language of text messages in real time, the most direct SDK is the Azure AI Translator - Text Translation SDK. Its client libraries (e.g., Azure.AI.Translation.

Text in .NET) include a language detection operation that returns the detected language code and a confidence score, which is exactly what you need for real-time text scenarios.

Other options are not a fit:

\* Microsoft.CognitiveServices.Speech is the Speech SDK for speech-to-text, TTS, and speech translation (audio), not text-only language detection.

\* Azure.AI.Translation.Document targets asynchronous document translation workflows, not short text message detection.

Microsoft Learn

\* Azure.AI.Translation.Speech isn't the package used; speech translation is covered by the Speech SDK package above. Microsoft Learn Microsoft References

\* Text Translation SDK overview (supports language detection): Azure AI Translator. Microsoft Learn

\* DetectedLanguage in Azure.AI.Translation.Text (returned by detect operation). Microsoft Learn

\* Quickstart: Translator text client libraries. Microsoft Learn

\* Install/use the Speech SDK (contrast with text scenario). Microsoft Learn

\* Document Translation SDK overview (not applicable to short text detection). Microsoft Learn

### NEW QUESTION # 144

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