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Microsoft Azure Certification Details

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

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

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We have hired professional staff to maintain AI-102 practice engine and our team of experts also constantly updates and renew the question bank according to changes in the syllabus. With AI-102 learning materials, you can study at ease, and we will help you solve all the problems that you may encounter in the learning process. If you have any confusion about our AI-102 Exam Questions, just contact us and we will help you out.

The AI-102 Certification Exam is an advanced-level certification that requires a deep understanding of Microsoft Azure and AI technologies. Candidates who pass AI-102 exam will be able to demonstrate their expertise in designing and implementing AI solutions using Microsoft Azure. They will also be able to use their knowledge to help organizations leverage AI technologies to improve their business processes and gain a competitive edge in the market.

>> AI-102 Latest Dump <<

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Microsoft Designing and Implementing a Microsoft Azure AI Solution Sample Questions (Q218-Q223):

NEW QUESTION # 218

You create a knowledge store for Azure Cognitive Search by using the following JSON.

```

'knowledgeStore' : {
  "storageConnectionString": "DefaultEndpointsProtocol=https;AccountName=<Acct Name>;AccountKey=<Acct Key>;",
  "projections": [
    {
      "tables": [
        {
          "tableName": "unrelatedDocument",
          "generatedKeyName": "Documentid",
          "source": "/document/pbiShape"
        },
        {
          "tableName": "unrelatedKeyPhrases",
          "generatedKeyName": "KeyPhraseid",
          "source": "/document/pbiShape/keyPhrases"
        }
      ],
      "objects": [
        {
          "storageContainer": "unrelatedocrlayout",
          "source": null,
          "sourceContext": "/document/normalized_images/*/layoutText",
          "inputs": [
            {
              "name": "ocrLayoutText",
              "source": "/document/normalized_images/*/layoutText"
            }
          ]
        }
      ]
    }
  ],
  "files": []
}

```

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



There will be [answer choice].

- no projection groups
- one projection group
- two projection groups
- four projection groups

Images will [answer choice]

- not be saved.
- be saved to a blob container.
- be saved to file storage.
- be saved to an Azure Data lake.

Answer:

Explanation:

Explanation:

Answer Area



There will be [answer choice].

two projection groups

Images will [answer choice]

not be saved.

A projection group in a knowledge store is an array of projections (tables, objects, or files) that are stored together.

In the provided JSON, the projections array contains the following two top-level sections:

* The array of tables:

JSON

```

"tables": [
  { ... },
  { ... }
]

```

* The array of objects:

JSON

```

"objects": [
  { ... }
]

```

Each of these top-level arrays (tables and objects) represents a distinct projection group in the knowledge store. Therefore, there are two projection groups.

The files projection is used to save images, normalized images, or application files generated during the enrichment process.

In the provided JSON, the files array is present but is empty:

JSON

"files": []

Since there are no file projections defined, the images (or any files) generated during the enrichment process will not be saved to the knowledge store. They are processed in the pipeline but not persisted in the output storage defined by the knowledgeStore configuration.

NEW QUESTION # 219

You build a bot by using the Microsoft Bot Framework SDK.

You need to test the bot interactively on a local machine.

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.

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

| Actions |
|--|
| Register the bot with the Azure Bot Service. |
| Open the Bot Framework Composer. |
| Build and run the bot. |
| Open the Bot Framework Emulator. |
| Connect to the bot endpoint. |

| Answer Area |
|---|
|  |
|  |
|  |

Answer:

Explanation:

Explanation:

Comprehensive Detailed Explanation

The question asks about testing a bot interactively on a local machine when using the Microsoft Bot Framework SDK.

Steps to test locally:

Build and run the bot

Compile the bot application code and run it locally (e.g., using Visual Studio or Node.js).

This exposes the bot's endpoint on localhost (commonly `http://localhost:3978/api/messages`).

Open the Bot Framework Emulator

The Bot Framework Emulator is a desktop app for testing and debugging bots built with the Bot Framework SDK.

It allows you to send messages to the bot and see the responses.

Connect to the bot endpoint

Use the Emulator to connect to the locally running bot by entering its endpoint URL.

Once connected, you can interact with the bot as if you were a real user.

Actions Not Required in This Case

Register the bot with the Azure Bot Service # Needed for cloud deployment, not local testing.

Open the Bot Framework Composer # Only needed if designing the bot with Composer, but this scenario uses the SDK directly.

Correct Sequences (multiple possible valid orders):

Build and run the bot # Open the Bot Framework Emulator # Connect to the bot endpoint Microsoft References Test a bot locally with Bot Framework Emulator Bot Framework SDK overview

Final Answer Sequence:

Build and run the bot

Open the Bot Framework Emulator

Connect to the bot endpoint

NEW QUESTION # 220

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.

Answer:

Explanation:

□ Reference:

<https://docs.microsoft.com/en-us/azure/bot-service/bot-builder-howto-v4-state>

NEW QUESTION # 221

What is the primary purpose of a data warehouse?

- A. to provide storage for transactional line-of-business (LOB) applications
- B. to provide read only storage of relational and non relational historical data
- C. to provide transformation services between source and target data stores
- **D. to provide answers to complex queries that rely on data from multiple sources**

Answer: D

Explanation:

- * A data warehouse is designed for analytical workloads (OLAP), not transactional workloads (OLTP).
- * It integrates data from multiple sources and supports complex queries, aggregations, and reporting for decision-making.
- * A. storage for transactional LOB apps # describes OLTP (e.g., SQL Server, Azure SQL Database), not a data warehouse.
- * B. transformation services # describes ETL/ELT pipelines (e.g., Data Factory), not the warehouse itself.
- * C. read-only storage of historical data # partially true but too narrow; the key feature is analytics, not just storage.
- * D. answers to complex queries across multiple sources # Correct and complete definition.

The answer: D

Reference: What is a data warehouse?

NEW QUESTION # 222

You are building an app that will perform translations by using the Azure AI Translator service.

You need to ensure that the app will translate user-inputted text.

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:

Explanation:

□ Explanation:

□ In the Azure AI Translator .NET SDK (Azure.AI.Translation.Text), the TextTranslationClient exposes TranslateAsync overloads that accept a target language (e.g., "fr") and an input string to translate. The call returns a Response<IReadOnlyList<TranslatedTextItem>>. Each TranslatedTextItem includes the automatically detected source language (DetectedLanguage.Language) and a collection of translations in Translations. To print the translated text for the first target language, read translation.Translations[0].Text.

Therefore:

- * Use TranslateAsync(targetLanguage, input) to perform the translation.
- * Output translation.Translations[0].Text to display the translated result.

Microsoft References

- * TextTranslationClient.TranslateAsync method (overloads, usage). Microsoft Learn
- * TextTranslationClient class overview. Microsoft Learn
- * TranslatedTextItem model and Translations property (array of translation results).
- * Quickstart: Translator text client libraries (end-to-end usage pattern). Microsoft Learn

NEW QUESTION # 223

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