

AI-102 Free Exam - Printable AI-102 PDF

AI-102 Exam Cheat Sheet

Computer Vision & Image Analysis

- Computer Vision API - General image analysis (objects, tags, faces, colors).
- OCR (Optical Character Recognition) - Extracts text from images.
- Form Recognizer - Extracts structured data from invoices, receipts, forms.
- Custom Vision - Train custom image classification models.
- Face API - Detects & analyzes faces (no emotion detection anymore).

Text Analytics & NLP

- Text Analytics API - Extracts key phrases, sentiment, entities, and PII.
- LUIS (Language Understanding) - Intent recognition for chatbots.
- Azure OpenAI - Conversational AI, chatbots, and summarization.
- QnA Maker - Knowledge base chatbot from documents.

Speech Services (Voice AI)

- Speech-to-Text - Converts spoken words into text.
- Text-to-Speech - Converts text into realistic speech.
- Speaker Recognition - Identifies a person's voice.
- Speech Translation - Converts spoken words into another language.

Anomaly Detection & Business Intelligence

- Anomaly Detector - Detects unexpected patterns in time-series data.
- Metrics Advisor - Monitors business KPIs & financial data.

Chatbots & Conversational AI

- Bot Framework Composer - Low-code chatbot design tool.
- LUIS - Recognizes user intent in chatbot conversations.
- QnA Maker - Answers FAQs from uploaded documents.

Responsible AI & Governance

- Bias detection - Prevents unfair AI decisions.
- Explainability - Provides reasons behind AI decisions.
- Differential Privacy - Ensures data anonymization.

Security & Deployment

P.S. Free & New AI-102 dumps are available on Google Drive shared by RealValidExam: https://drive.google.com/open?id=1CljS9HQtmkNQPYypNNe1I_Ztmt0RhOr

Yes, as a lot of our loyal customers who have passed the AI-102 exam and got the certification said that more than the AI-102 certification, they felt they had been benefited more for they had obtained the knowledge and apply it in the daily work, which can help them finish all tasks efficiently. Then they do not need to work overtime. It is necessary to learn our AI-102 Guide materials if you want to own a bright career development.

The Microsoft AI-102 Exam covers a wide range of topics related to artificial intelligence, including designing AI solutions, creating intelligent bots, developing machine learning models, and deploying AI solutions on the Azure platform. Candidates will also be tested on their ability to evaluate and optimize their AI models, as well as their knowledge of ethical and legal considerations related to AI.

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Microsoft Designing and Implementing a Microsoft Azure AI Solution Sample Questions (Q324-Q329):

NEW QUESTION # 324

What is the primary purpose of a data warehouse?

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

Answer: C

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.

Reference: What is a data warehouse?

NEW QUESTION # 325

Hotspot Question

You have an Azure subscription that contains an Azure AI Content Safety resource named resource1.

You need to add a custom category to resource1.

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

NOTE: Each correct selection is worth one point.

Answer:

Explanation:

□ Explanation:

"prompt"

The "prompt" field is used to specify the actual input text that should be evaluated for content safety. In this case, it represents the text prompts about learning advice that will be processed for moderation.

"sampleBlobUrl"

This field points to the Azure Blob Storage URL where a JSONL file is stored. The JSONL file contains structured moderation rules or additional content data for analysis.

NEW QUESTION # 326

You are building a call handling system that will perform the following actions:

Accept incoming voicemails in French.

Convert voicemails from French to English.

Which Azure Speech in Foundry Tools SDK class should you use for each action? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer:

Explanation:

□ Explanation:

□

NEW QUESTION # 327

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 lul1.

App1 has the versions shown in the following table.

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. (Choose three.)

Answer:

Explanation:

Explanation

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.

Sign on to the LUIS portal.

Select the app in the list.

Select Manage in the app's navigation bar.

Select Versions in the left navigation bar.

Select the checkbox to the left of the version name in the list.

Select the Export item from the contextual toolbar above the list.

Select Export for container (GZIP).

The package is downloaded from the browser.

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.

Reference:

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

NEW QUESTION # 328

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

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

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

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

NOTE: Each correct selection is worth one point.

Answer:

Explanation:

Explanation

Box 1: `mcr.microsoft.com/azure-cognitive-services/textanalytics/sentiment` To run the Sentiment Analysis v3 container, execute the following docker run command.

```
docker run --rm -it -p 5000:5000 --memory 8g --cpus 1 \
mcr.microsoft.com/azure-cognitive-services/textanalytics/sentiment \
```

```
Eula=accept \
```

```
Billing={ENDPOINT_URI} \
```

```
ApiKey={API_KEY} is the endpoint for accessing the Text Analytics API.
```

```
https://<your-custom-subdomain>.cognitiveservices.azure.com
```

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

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

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

```
zure.com
```

Reference:

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

NEW QUESTION # 329

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