AI-100^{Q&As}

Designing and Implementing an Azure AI Solution

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QUESTION 1

You need to evaluate trends in fuel prices during a period of 10 years. The solution must identify unusual fluctuations in prices and produce visual representations.

Which Azure Cognitive Services API should you use?

A. Anomaly Detector

B. Computer Vision

C. Text Analytics

D. Bing Autosuggest

Correct Answer: A

The Anomaly Detector API enables you to monitor and detect abnormalities in your time series data with machine learning. The Anomaly Detector API adapts by automatically identifying and applying the best-fitting models to your data, regardless of industry, scenario, or data volume. Using your time series data, the API determines boundaries for anomaly detection, expected values, and which data points are anomalies.

References: https://docs.microsoft.com/en-us/azure/cognitive-services/anomaly-detector/overview

QUESTION 2

Which RBAC role should you assign to the KeyManagers group?

A. Cognitive Services Contributor

B. Security Manager

C. Cognitive Services User

D. Security Administrator

Correct Answer: A

References: https://docs.microsoft.com/en-us/azure/role-based-access-control/built-in-roles

QUESTION 3

Your company is about to deploy an Azure Machine Learning experiment. The company is concerned that the experiment might not be adhering to GDPR regulations.

You have been instructed to do a review of the experiment\'s adherence to GDPR regulations. You must perform the review as quickly as possible.

Which of the following actions should you take?

A. Make use of Azure Policy

B. Make use of Azure Security Center

C. Make use of Azure Log Analytics

D. Make use of Compliance Manager

Correct Answer: D

To quickly review the adherence of an Azure Machine Learning experiment to GDPR regulations, you can use Compliance Manager. Compliance Manager is a built-in Azure tool that helps organizations assess and track their compliance with various regulatory standards, including GDPR.

By using Compliance Manager, you can assess the compliance of your Azure resources, including Azure Machine Learning, against GDPR requirements. It provides a centralized dashboard that allows you to view the compliance status, identify any potential gaps, and track the progress of remediation actions.

Compliance Manager also provides predefined assessments and control mappings specific to GDPR, which can help streamline the review process and provide insights into the experiment\\'s adherence to GDPR regulations.

QUESTION 4

You company\\'s developers have created an Azure Data Factory pipeline that moves data from an on-premises server to Azure Storage. The pipeline consumes

Azure Cognitive Services APIs.

You need to deploy the pipeline. Your solution must minimize custom code.

You use Self-hosted Integration Runtime to move data to the cloud and Azure Logic Apps to consume Cognitive Services APIs.

Does this action accomplish your objective?

A. Yes, it does

B. No, it does not

Correct Answer: A

Using a Self-hosted Integration Runtime in Azure Data Factory allows you to move data from an on-premises server to Azure Storage. Azure Logic Apps can be used to consume Azure Cognitive Services APIs by leveraging the built-in connectors and actions available for interacting with Cognitive Services.

With Azure Logic Apps, you can easily create workflows and utilize the Logic Apps Cognitive Services connectors to integrate with Azure Cognitive Services APIs, such as Text Analytics, Computer Vision, or Language Understanding (LUIS). This allows you to incorporate cognitive capabilities into your data pipeline without the need for significant custom code.

Therefore, by using Self-hosted Integration Runtime for data movement and Azure Logic Apps for consuming Cognitive Services APIs, you can deploy the pipeline and accomplish your objective of minimizing custom code.

QUESTION 5

You are developing a mobile application. You want to implement search functionality in the application.

Your solution must meet the following requirements:

Users must be able to run searches by typing in their search query.

Users must be able to run searches by voice commands.

Which of the following actions should you take?

A. Make use of Language Understanding (LUIS)

B. Make use of QnA Maker

C. Make use of Bing Entity Search

D. Make use of Azure Cognitive Search

Correct Answer: A

Language Understanding (LUIS) is a natural language processing service provided by Microsoft Azure. It allows you to build applications that can understand and interpret user\\'s intents from their spoken or typed input. By using LUIS, you can train a language model to recognize specific search intents and extract relevant entities from user queries. LUIS supports both text and speech input, making it suitable for implementing search functionality that can be accessed via typing or voice commands.