Al on Cloud







Al on Cloud

Chapter 5

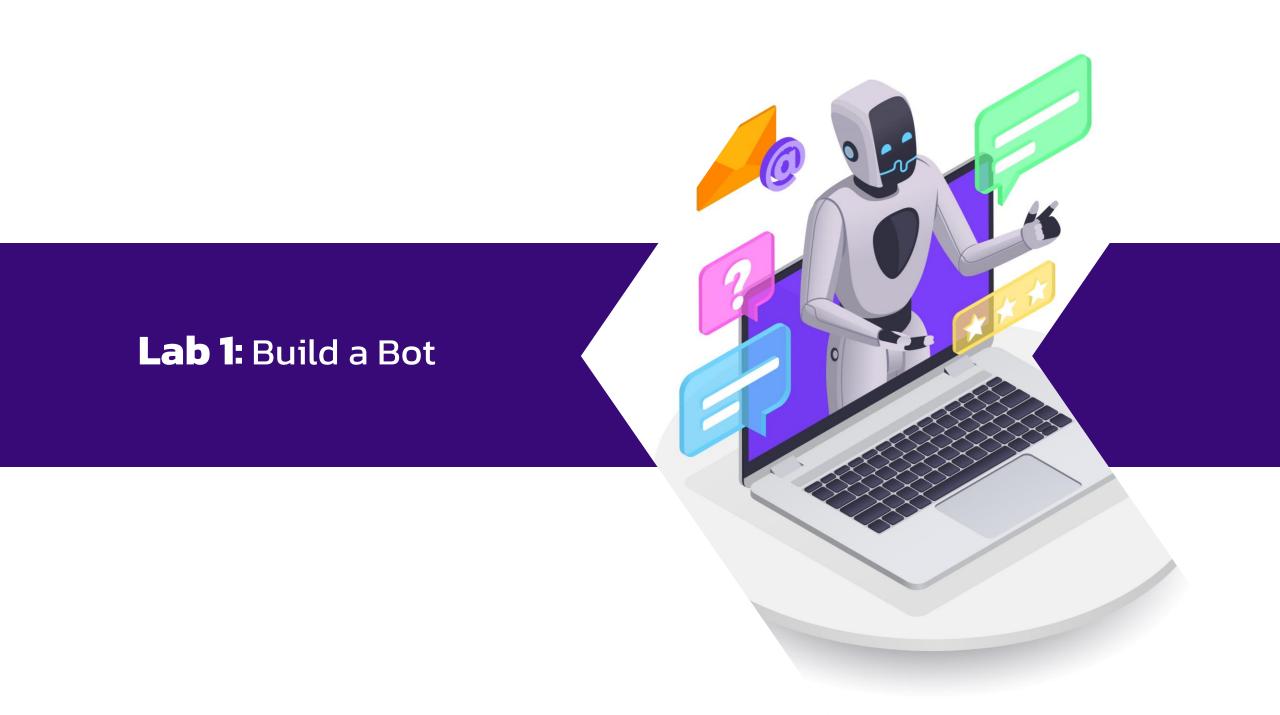
Al แบบสนทนา (Conversational Al)











Build a Bot with the Language Service and Azure Bot Service

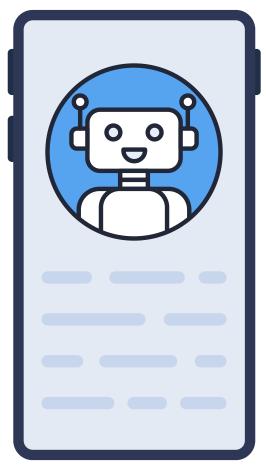
Conversational AI

 All agents or Bots that are designed to interact with users in a conversational manner.

To implement bots, you need:

- A knowledge base of question and answer pairs

 usually with some built-in NLP model to
 enable questions that can be phrased in multiple ways to be understood with the same semantic meaning.
- A bot service that provides an interface to the knowledge base through one or more channels.



Language Service and Azure Bot Service

- Language service: The service includes a custom question answering feature that enables you to create a knowledge base of question and answer pairs that can be queried using natural language input.
- Azure Bot service: This service provides a framework for developing, publishing, and managing bots on Azure.

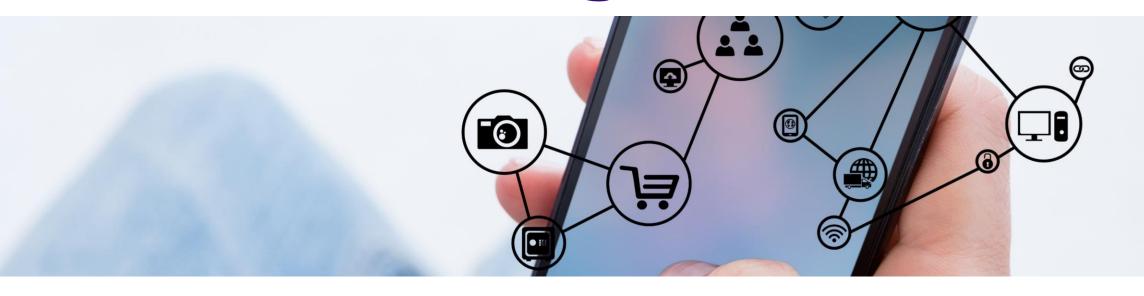


Define Questions and Answers

- Use the Language Studio's custom question answering feature to create, train, publish, and manage knowledge bases.
- These questions and answers can be:
 - Generated from an existing FAQ document or web page.
 - Entered and edited manually.
- Questions can be assigned alternative phrasing to help consolidate questions with the same meaning.
 - What is your head office location?
 - Where is your head office located?



Test the Knowledge Base



In Language Studio, use the built-in test interface to test your knowledge base by submitting questions and reviewing the answers that are returned.

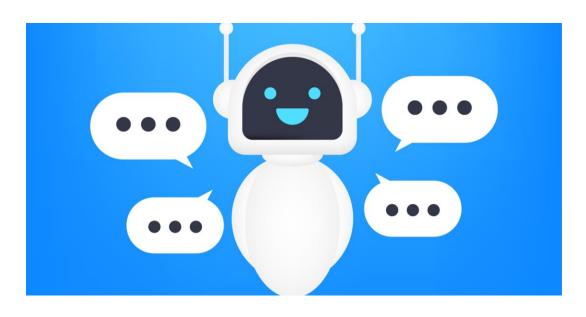
Create a bot



Easy Approach: Use the automatic bot creation functionality, which enables you create a bot for your deployed knowledge base and publish it as an Azure Bot Service application with just a few clicks.

Other Approach: Use the Microsoft Bot Framework SDK to write code that controls conversation flow and integrates with your knowledge base.

Create a bot



Extend and Configure the Bot

- Extend the bot's functionality by adding custom code.
- Test the bot in an interactive test interface.
- Configure logging, analytics, and integration with other services.

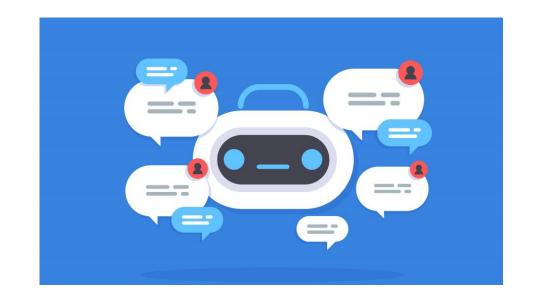


Connect Channels

When the bot is ready, connect it to multiple *channels*; making it possible for users to interact with it through web chat, email, Microsoft Teams, etc.

Task 5: Create a bot

- เป้าหมาย: create a bot that can interpret and answer frequently asked questions through a website chat window, email, or voice interface
- Tool: Language service resource and Language Studio portal



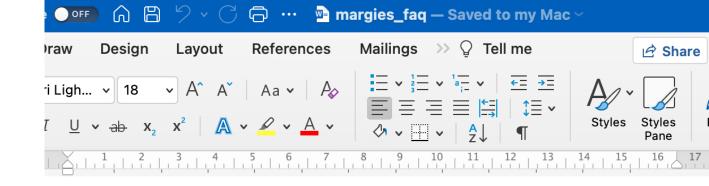


2. Create a knowledge base for a bot





Margies Faq



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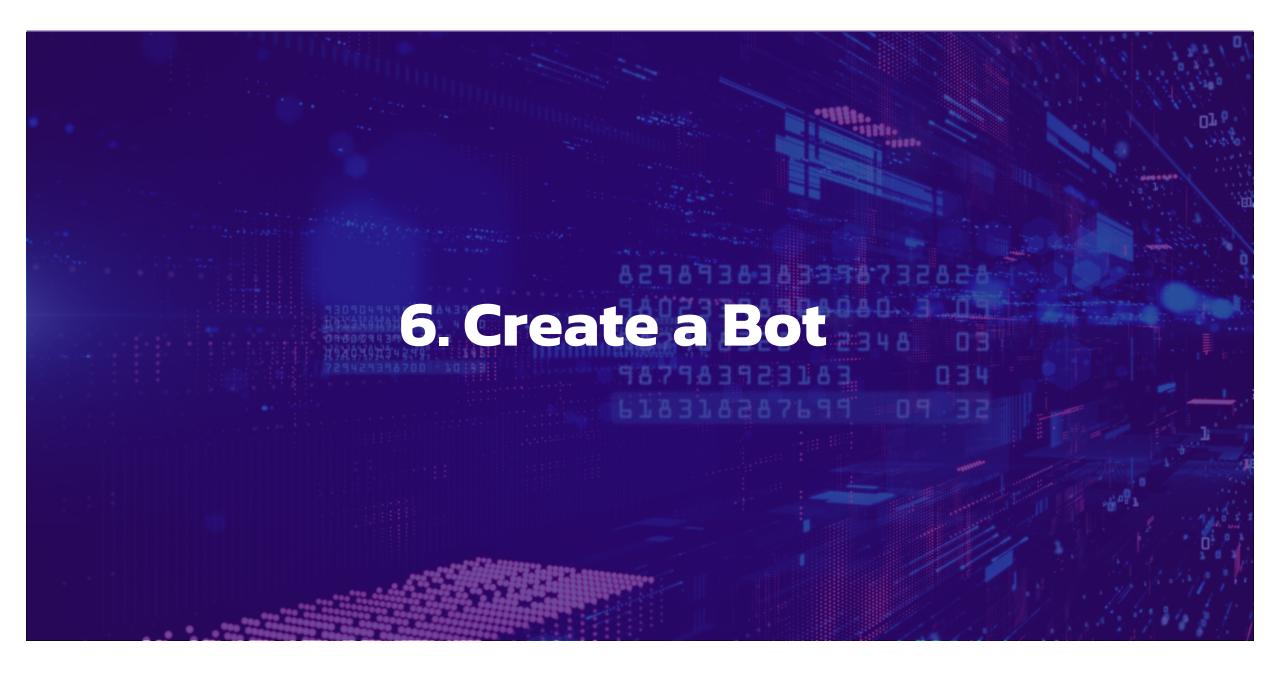
How can I book a flight?

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Thank you