SSC Chatbot Overview

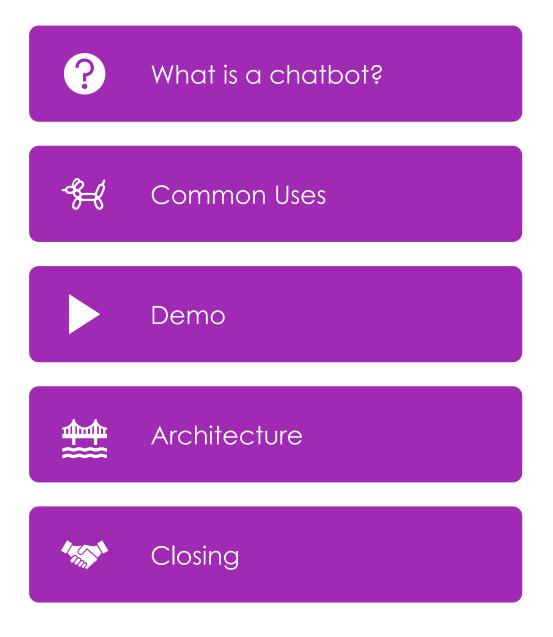
Science Program



Objective

To provide a basic understanding of the SSC Azure chatbot services and provide a demo of its use.

What we will cover



What is a chatbot?







A chatbot is an Artificial Intelligence (AI) software program that fundamentally simulates human conversations.

A chatbot is programmed to **work independently** from a human operator.

A chatbot uses machine learning and Natural Language Processing (NLP) to formulate responses based on a ranking score.



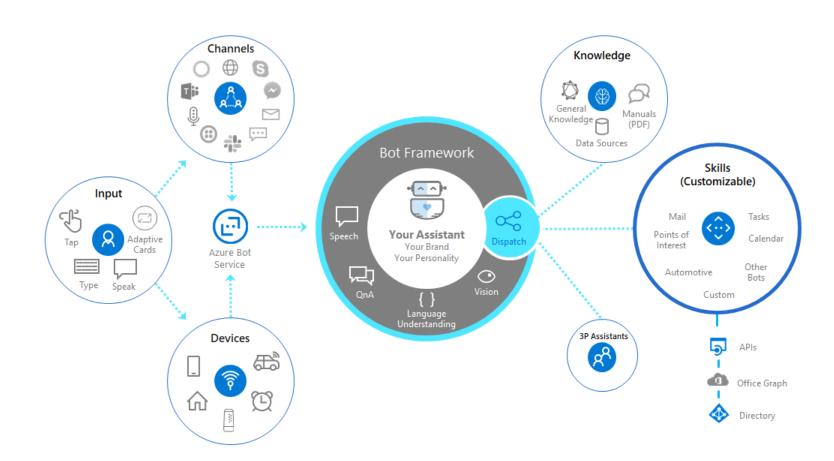
What can chatbots be used for?

- Providing answers to repetitive or routine inquiries.
- Consolidating information from multiple places
- Coordinating activities or information
- Routing inquiries to humans
- Providing a new way for employees to interact with your systems

Demo

Architecture

Azure Bot Framework



Q&A

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To the user, chatbots seem to be "intelligent" due to their informative skills. However, chatbots are only as intelligent as the underlying database.

Peter Gentsch



Al in Marketing, Sales and Service

Thank you!

Questions?

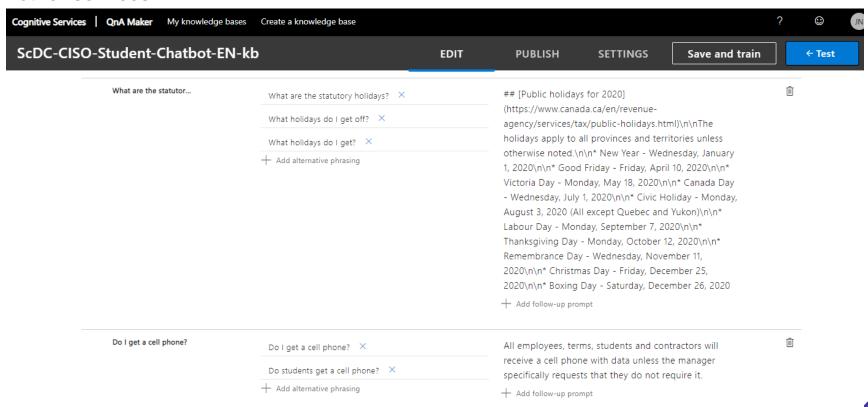
Please don't hesitate to contact us

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Annex - Chatbot Tools

Knowledge Base – QnA Maker

QnAMaker (https://qnamaker.ai) is a cognitive service that allows you to extract questions and answer pairs from online FAQs, product manuals or other files and turn it into a sophisticated multi-turn conversation that can be consumed by a chatbot and other services.



Language Understanding Intelligent Service (LUIS)

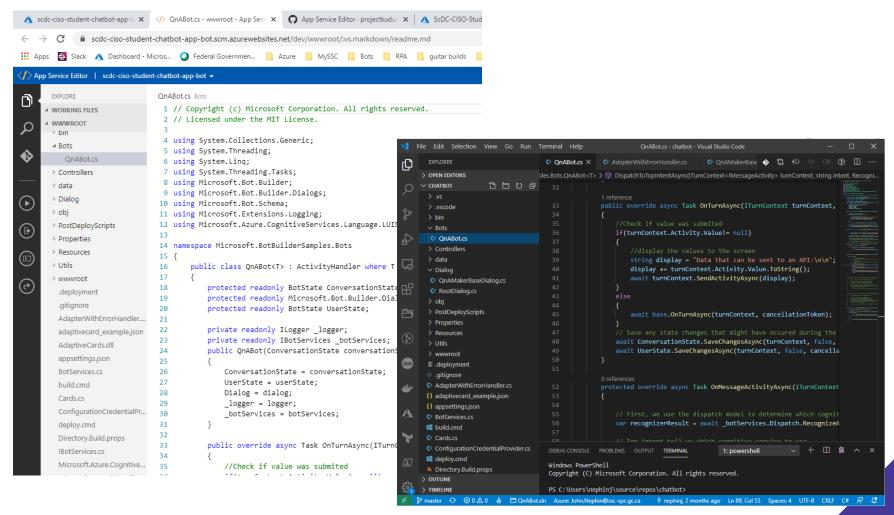
LUIS (https://luis.ai) is a machine learning based service to build natural language processing into apps, bots and IoT devices. It works by parsing at what the user says (utterances) picking out the key trained entities and trying to create a matches to the intent based on a ranking score.





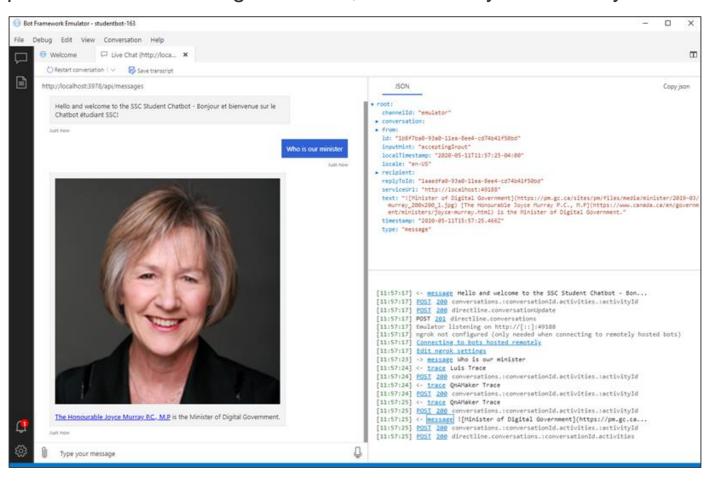
Bot Customization Editors

Ability to manage your bot with Visual Studio Code or the App Service Editor.



Emulators and Testing

The Bot Framework Emulator is a desktop application that allows bot developers to test and debug their bots, either locally or remotely.



Monitoring and Analytics

Application insights can provide information on web traffic, performance, common usage patterns and more.

