



Language Studio para Chatbots con IA







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Agenda

- Chatbots
- Azure
- · Language Studio
- · CLU (Conversational Understanding Language)
- QNA Maker (Custom Question Answering)
- · Azure Bot, Botframework, Whatsapp



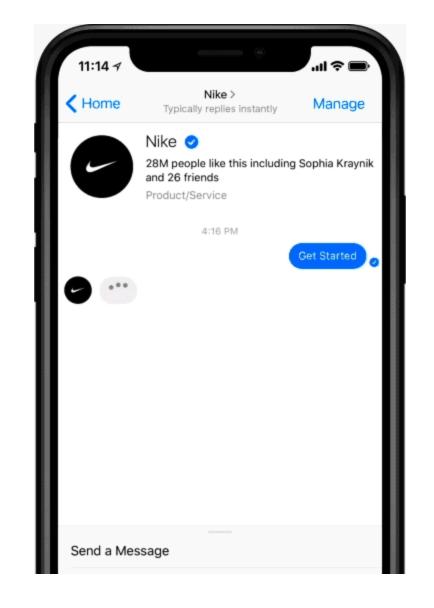


Chatbots



¿Que es un chatbot?

Un chatbot es un programa de inteligencia artificial que simula una conversación con usuarios humanos, principalmente a través de texto o voz.



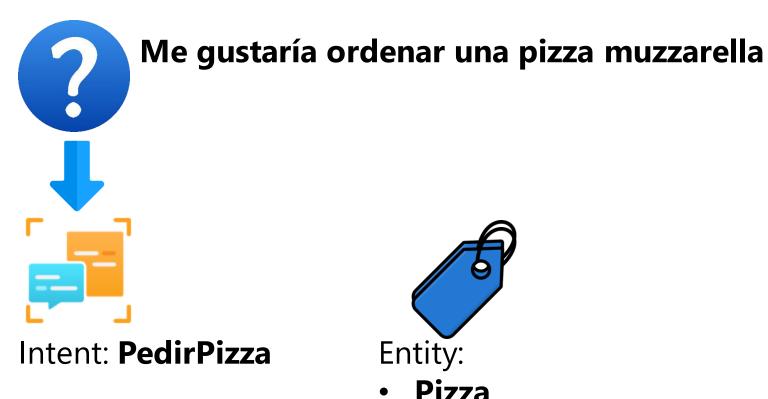


¿Como funcionan?





¿Como funcionan?





- Pizza
- Muzzarella



Ventajas

- Disponibilidad 24/7
- Respuestas rápidas y precisas
- Mejora en la experiencia del cliente

Usos

- Bancario
- Medicina
- Energía
- Comercio
- Etc...





Servicios populares gratuitos durante 12 meses

↓ Ver todos los servicios

Más de 55 servicios adicionales que siempre son gratuitos

Comenzar con un crédito de Azure de 200 USD

12 meses



Azure Virtual Machines —Windows

750 horas cada una de máquinas virtuales ampliables B1, B2pts v2 (basadas en Arm) y B2ats v2 (basadas en AMD) 12 meses



Azure Virtual Machines —Linux

750 horas cada una de máquinas virtuales ampliables B1, B2pts v2 (basadas en Arm) y B2ats v2 (basadas en AMD) Siempre



Azure SQL Database

100 000 segundos vCore de uso sin servidor de base de datos SQL al mes con 32 GB de almacenamiento 12 meses



Azure Blob Storage

5 GB de almacenamiento con redundancia local (LRS) en bloques de acceso frecuente, con 20 000 operaciones de lectura y 10 000 de escritura Siempre



Azure App Service

1 hora al día de 10 aplicaciones web, móviles o de API con 1 GB de almacenamiento



Para estudiantes

Crear soluciones en la nube gratis con Azure for Students

Usa el correo electrónico de tu universidad o centro educativo para registrarte y renovar cada año que seas estudiante.

Empezar gratis

Más información acerca de los requisitos

Comenzar con un crédito de Azure de 100 USD No se requiere tarjeta de crédito





Language Studio



Language Sudio

Language Studio es un conjunto de herramientas basadas en interfaz de usuario que le permiten explorar, compilar e integrar características de Lenguaje de Azure AI en las aplicaciones.



Welcome to Language Studio

Recent custom projects you've worked on

+ Create nev	v ~						
Name	~			Type ∨		Last updated \downarrow \vee	
☐ PizzaBot				Conversational language understanding	9	about 21 hours	
□ PizzaBot-C	ΩnA			Custom question answering		about 22 hours	
⊞ Viev	w all projects						
☆ Featured	Extract information	{≣ Classify text	Ф Understand questions and conversational la	anguage ⊡ Summarize text	路 Translate tex	rt	

Retrieve the most appropriate answer to questions using question answering (CQA) or classify intents and extract entities for conversational utterances using conversational language understanding (CLU). Use orchestration workflow to create one project that routes queries between multiple CQA and CLU projects. <u>Learn more about understanding conversational language</u>.



Answer questions

Use the prebuilt question answering API to get answers to questions over unstructured text.

Try it out



Custom question answering

Next generation of QnAMaker

Customize the list of questions and answers extracted from your content corpus to provide a conversational experience that suits your needs.

Open Custom question answering



Conversational language understanding

Next generation of LUIS

Classify utterances into intents and extract information with entities to build natural language into apps, bots, and IoT devices.

Open Conversational language understanding



Orchestration workflow

Connect and orchestrate CLU, Custom question answering & LUIS projects together in one single project.

Open Orchestration workflow





CLU (Conversational Understanding Language)



Welcome to Language Studio

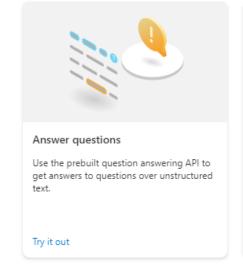
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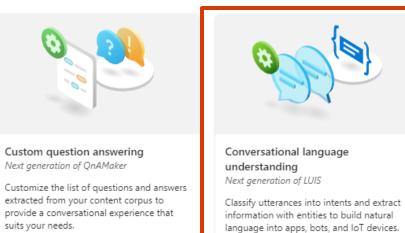
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Name \	/		Type ∨	Last updated ↓ `	×	
☐ PizzaBot			Conversational language understanding	1 day		
□ PizzaBot-QnA		Custom question answering	1 day			
₩ Viev	v all projects					
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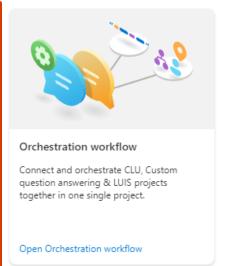
Open Conversational language

understanding





Open Custom question answering





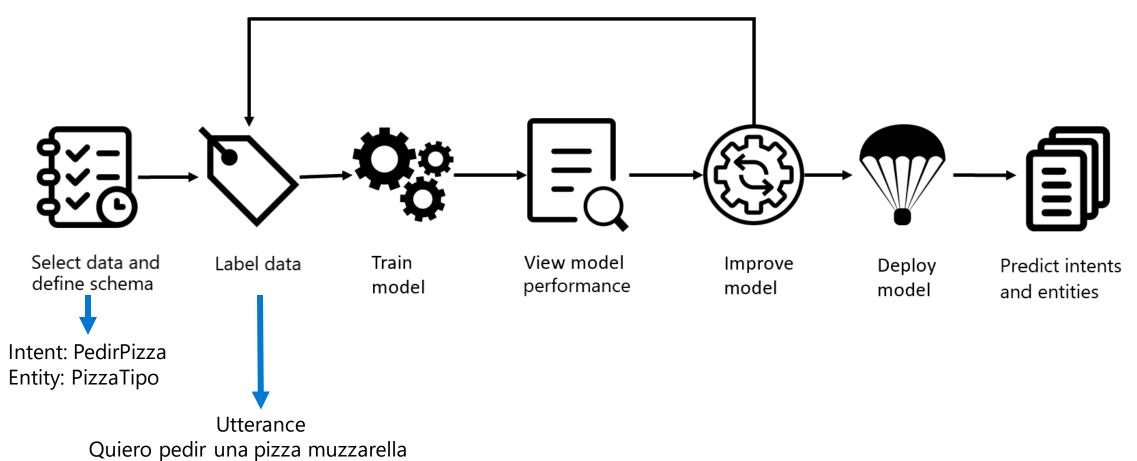
CLU (Conversational Understanding Language)

Servicio basado en la nube que aplica inteligencia artificial para reconocimiento del lenguaje natural.

- Simple de usar y aplicar en desarrollos de software
- No se requiere experiencia previa en IA

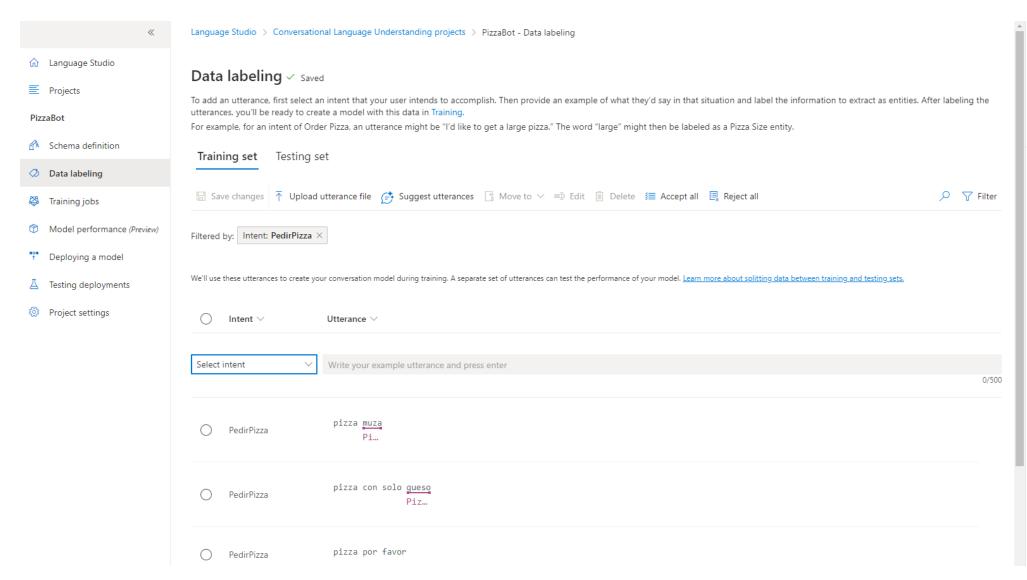


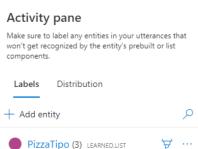
Ciclo de vida del desarrollo de un proyecto CLU





CLU (Conversational Understanding Language)







CLU (Conversational Understanding Language)



Top intent

PedirPizza

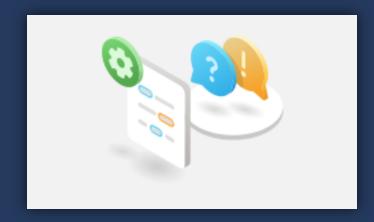
Confidence: 100.00%

PizzaTipo

jamon

Confidence: 100.00%





QNA Maker (Custom Question Answering)



Welcome to Language Studio

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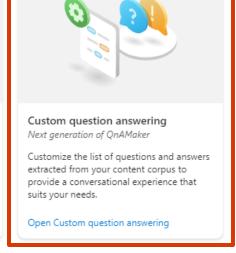
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Try it out





Conversational language understanding

Next generation of LUIS

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Orchestration workflow

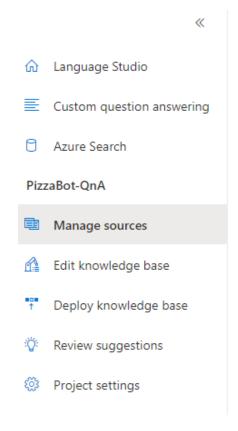
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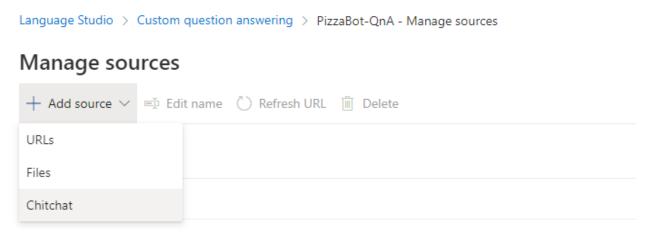
Open Orchestration workflow



QNA Maker (Custom Question Answering)

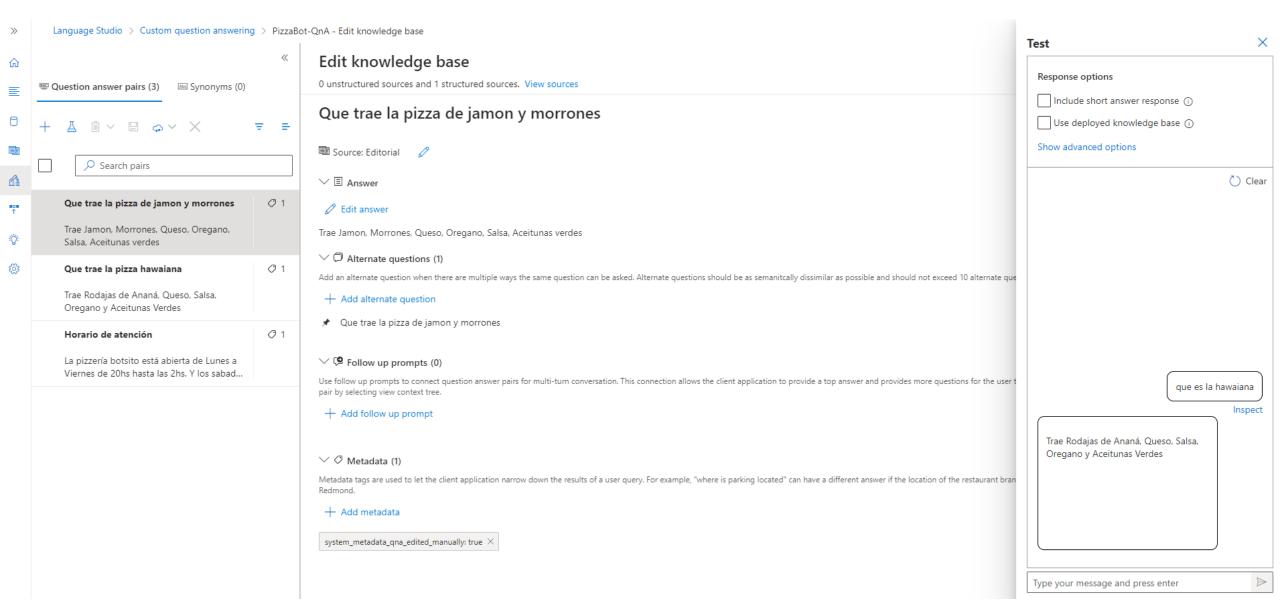
Se usa para buscar respuestas adecuadas a partir de la entrada del cliente o de un proyecto.







QNA Maker (Custom Question Answering)



Cuando usar Custom Question Answering

- Cuando la información es estática
- Cuando se desea proporcionar la misma respuesta a una pregunta
- Cuando se quiere administrar una conversación del bot que incluya información estática





Bot Framework AzureBot Whatsapp



Azure Bot

Recurso de Azure proporciona un entorno de desarrollo integrado para la creación de bots.

Botframework

Es una suite completa para construir y desplegar bots usando el recurso "Azure Bot".

5-minute quick start to create your bot







Integración

0	Alexa	Alexa Channel
70	Communication Services - Chat	Communication Services - Chat Channel
<u> </u>	Direct Line Speech	Direct Line Speech Channel
	Email	O365 Email Channel
f	Facebook	Support for Text Messaging via Facebook
<u></u>	GroupMe	GroupMe Channel
(2)	LINE	Support for LINE Channel
88	Microsoft 365	Enable message extensions in Outlook, and Microsoft 365 apps
T i:	Microsoft Teams	Microsoft Teams Channel
•	Omnichannel	Omnichannel Channel
	Outlook	Outlook Channel
8	Skype	Skype Channel
#	Slack	Slack Channel
•	Telegram	Telegram Channel
(:)	Twilio (SMS)	Support for Text Messaging via Twilio



Muchas Gracias!