

Create Skills For Cortana!

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Corporate Overview – ValueMomentum Software Services





- Software & Services Firm
- Financial Services & Insurance focused
- Established in 2000 with HQ in NJ, USA
- 150+ dedicated R&D team
- Executive Leadership and Practice Heads based in the US
- Offshore centers are SSAE 16 SOC 2 certified. Clean Rooms for several clients offshore

23%

Compound Annual Growth Rate since 2000

4

Analysts covering ValueMomentum Software & Services

>65

Clients Served in North America 1,850+

Global employee strength

Top 15

IT Services Vendor for North American P&C Carriers by # of customers*

14

>5 Year Customer Relationships Average ~8 years

BUSINESS FOCUS



- Banking & Lending
- Capital Markets



- Property & Casualty
- Healthcare
- Life & Annuities



Hi, I'm Cortana



Cortana – Personal Digital Assistant





Productive

Cortana helps you honor commitments and manage the important everyday stuff.

Unbounded

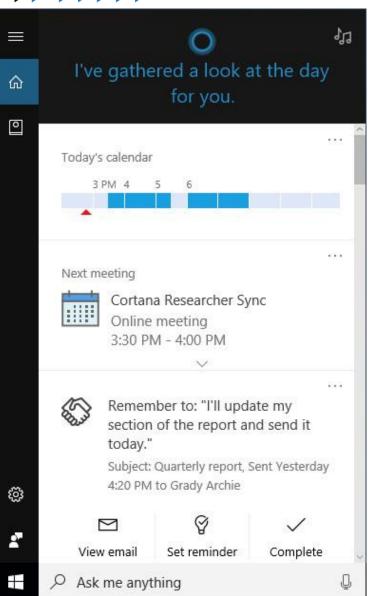
Cortana exists on multiple platforms and device types. She is wherever you are.

Personal

By getting to know you, Cortana can provide tailored and intuitive experiences.

Extensible

Cortana works with her team of experts (that's you) to help users get things done.





Cortana's Ecosystem





Users access Cortana across devices and platforms





(Cortana Devices SDK)



Home and Car





Cortana's knowledge

User preferences & habits - e.g.

- Cuisine preferences
- Where I live and work

User context - e.g.

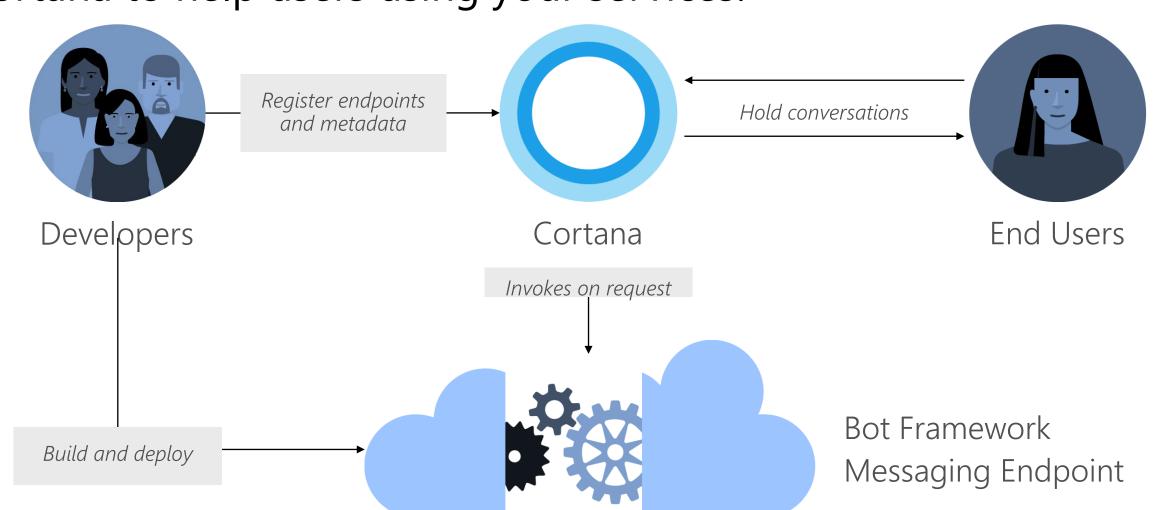
- I'm leaving home
- My next meeting location



What is a Skill & How does it work



A skill is a **unit of conversational intelligence** that enables Cortana to help users using your services.



How to create a Skill





Create your skill logic using the Bot Framework

- Build a bot using the Bot Builder SDK
- Use Cognitive Services (LUIS) for natural language understanding

Add the Cortana channel

- Register your bot as a Cortana skill
- Configure Cortana-specific data and features

Publish your skill

• Make your skill discoverable by all Cortana users



Design a useful skill





Skill should solve a **unit** of problem. Good skills iterate on features in order to provide a complete customer experience.

CORTANA HELPS YOU FIND INFORMATION

The skill helps users find info and identify tasks to complete.

This is done more quickly than if the user opened an app or website. 2

CORTANA HELPS YOU ACT ON WHAT YOU'VE FOUND

The skill cuts through multiple steps to complete a task.

3

CORTANA TALKS TO YOU LIKE A REGULAR PERSON

The skill has fully fleshed out conversational UX, and knows when *not* to use speech to convey information.

4

CORTANA TAILORS HER EXPERIENCES FOR YOU

The skill uses personalized information in order to provide a custom experience

5

CORTANA LEARNS ABOUT YOU

The skill remembers what you've done, and uses that information for future invocations.

Publish a Skill





PUBLISH TO SELF

Immediate deployment of the skill to the developer's MSA

Used for early testing

2

PUBLISH TO GROUP

Share a skill with one or more MSA users

User consent must be given to have the skill appear

Used for beta testing a skill with users

3

PUBLISH TO WORLD

Skill becomes automatically available to all MSA Cortana users in the USA

Requires validation and certification

Skill will appear in Cortana's skill listings

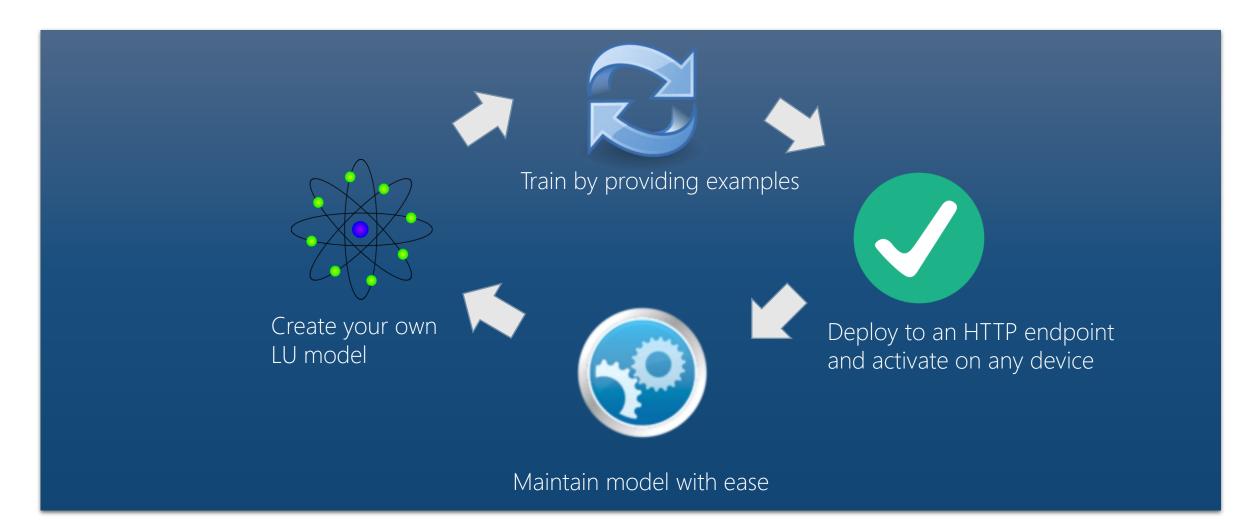
Use Case – Bot Framework + LUIS + Cortana



LUIS(Language Understanding Intelligence Service)

Deliver Value. Drive Momentun

A Microsoft Cognitive Service that provides developers with an easy way to create language models to allow applications to understand user commands.



LUIS Response





```
"entities": [
    "entity": "flight_delays",
    "type": "Topic"
"intents": [
    "intent": "FindNews",
    "score": 0.99853384
    "intent": "None",
    "score": 0.07289317
    "intent": "ReadNews",
    "score": 0.0167122427
    "intent": "ShareNews",
    "score": 1.0919299E-06
```

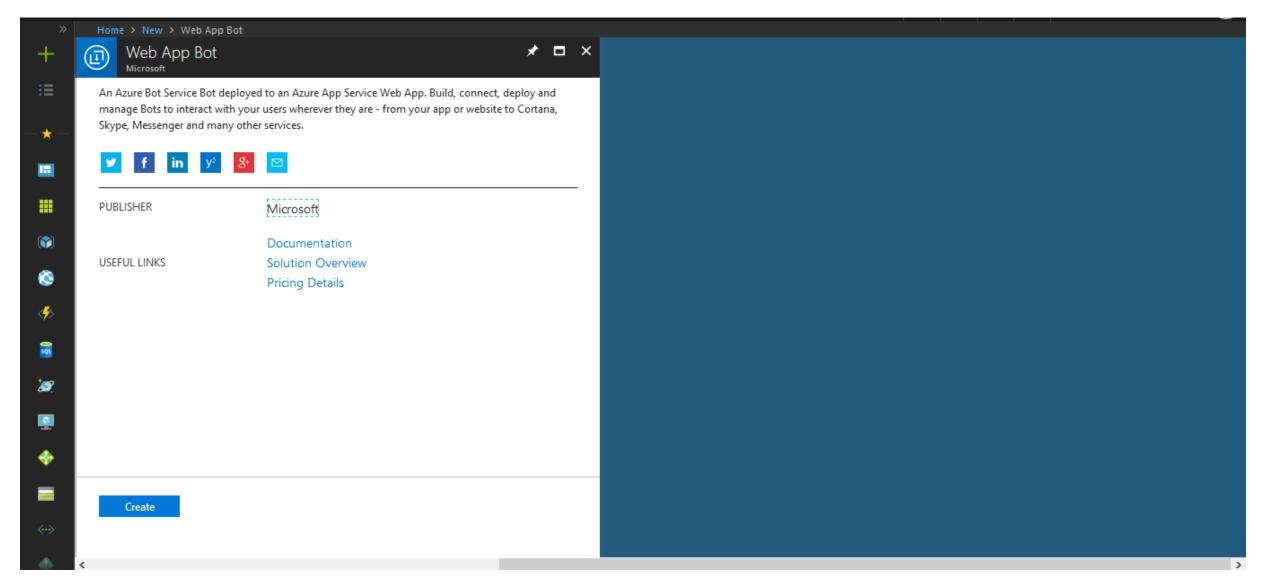
Demo



Create a Bot



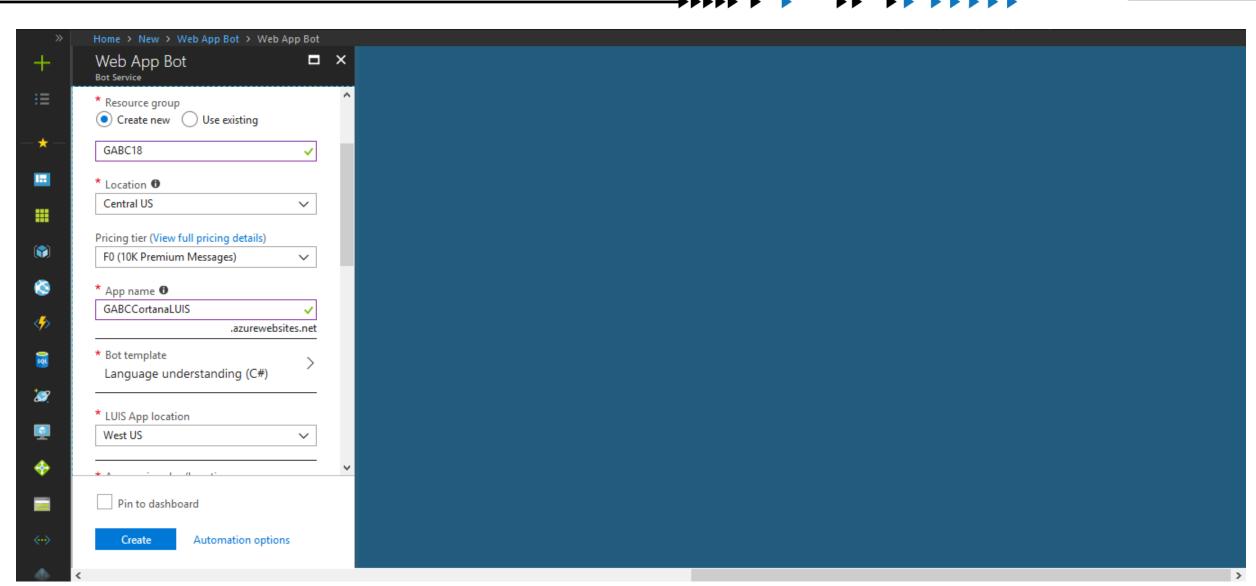






Create a Bot



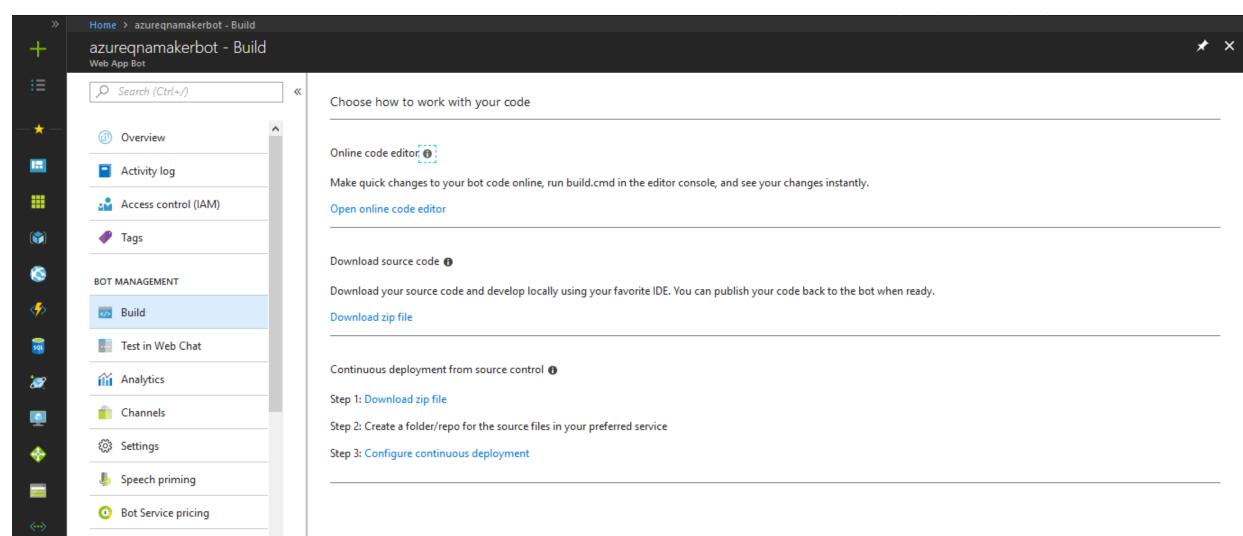




Download the code for the Bot



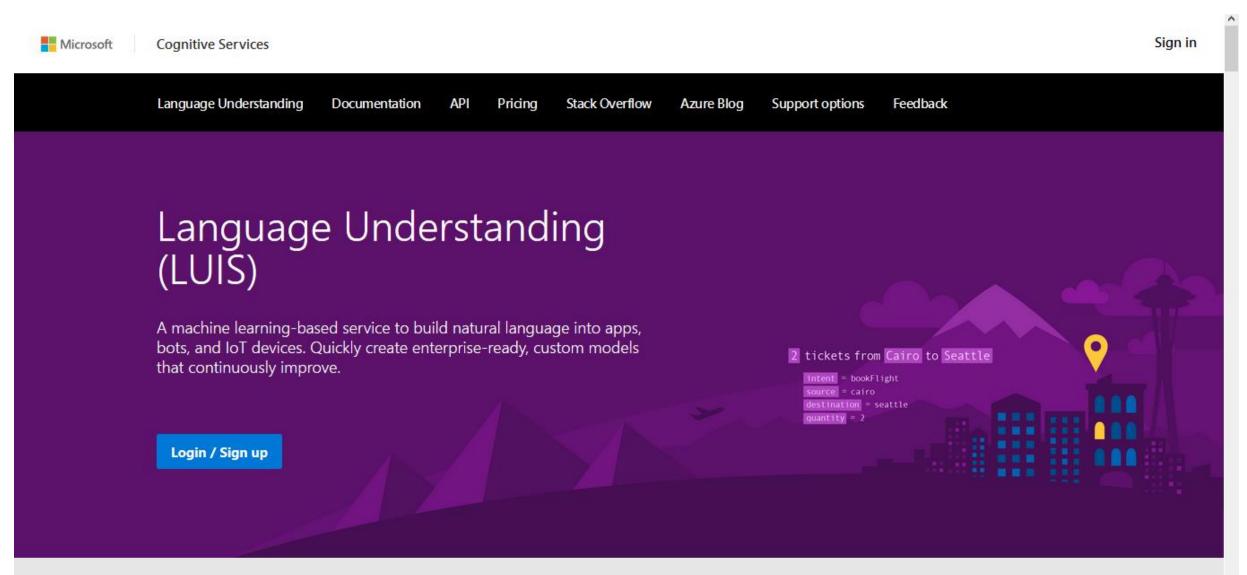














LUIS Dashboard





Language Understanding My apps Docs Pricing Support About

My Apps 1

Create new app

Import new app

Search apps

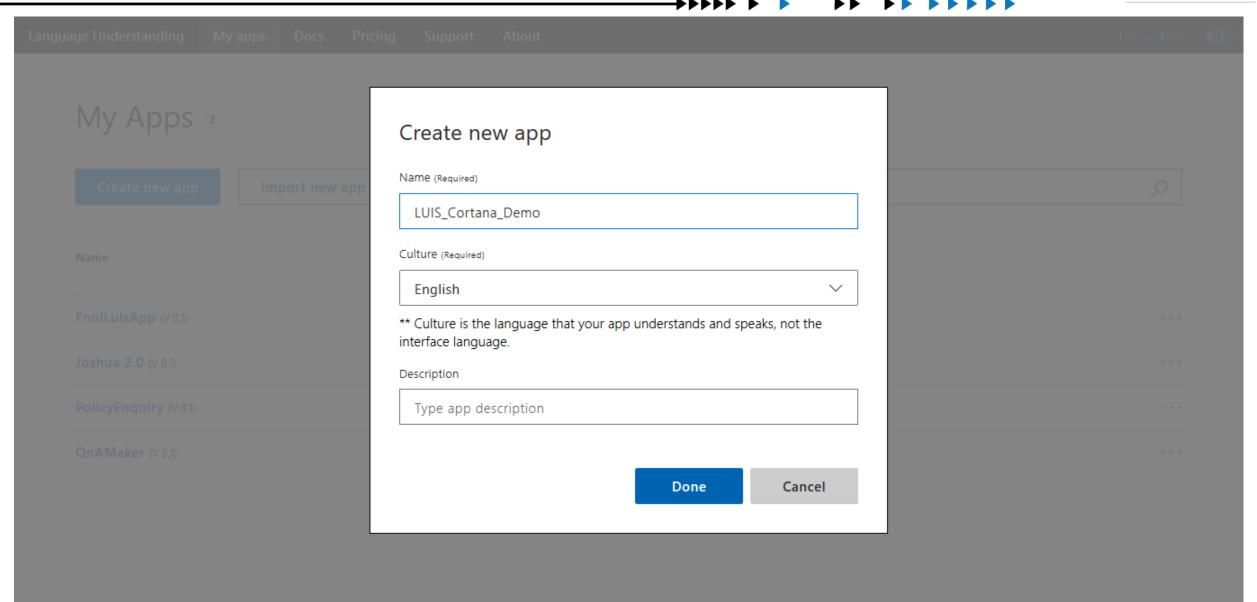
Q

Name	Culture	Created date	Endpoint hits	
FnolLuisApp (V 0.1)	en-us	3/2/2018	109	• • •
Joshua 2.0 (V 0.1)	en-us	6/16/2016	0	• • •
PolicyEnquiry (V 0.1)	en-us	3/3/2018	339	• • •
QnAMaker (V 0.1)	en-us	4/17/2018	44	• • •



Create new LUIS App

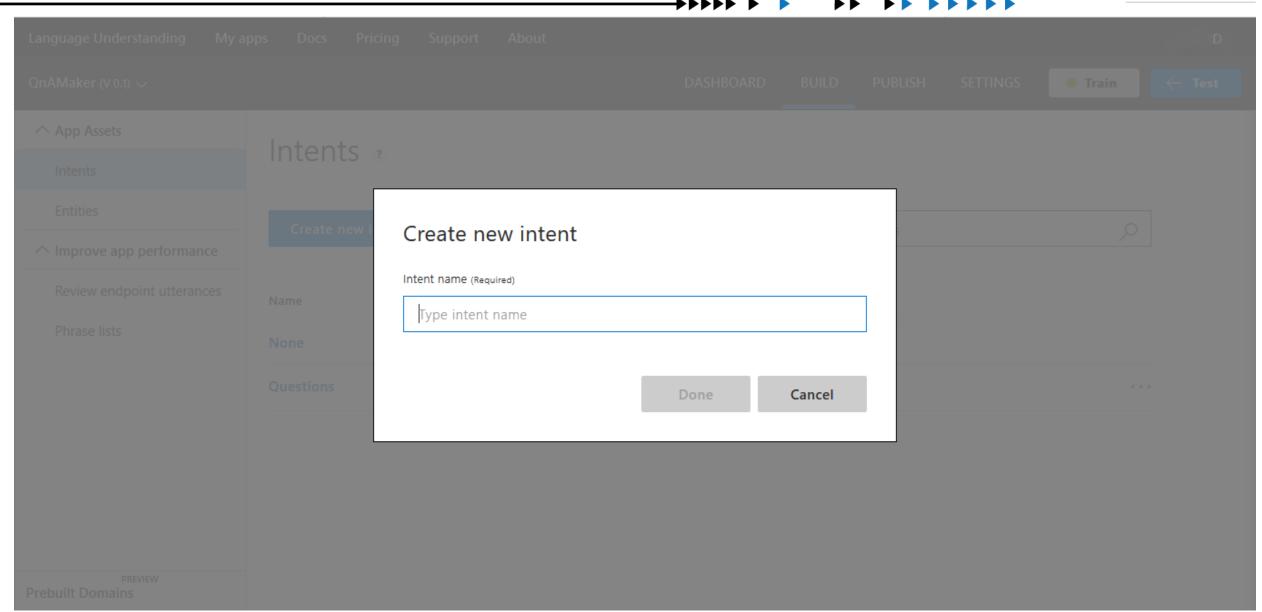






Create new LUIS Intent

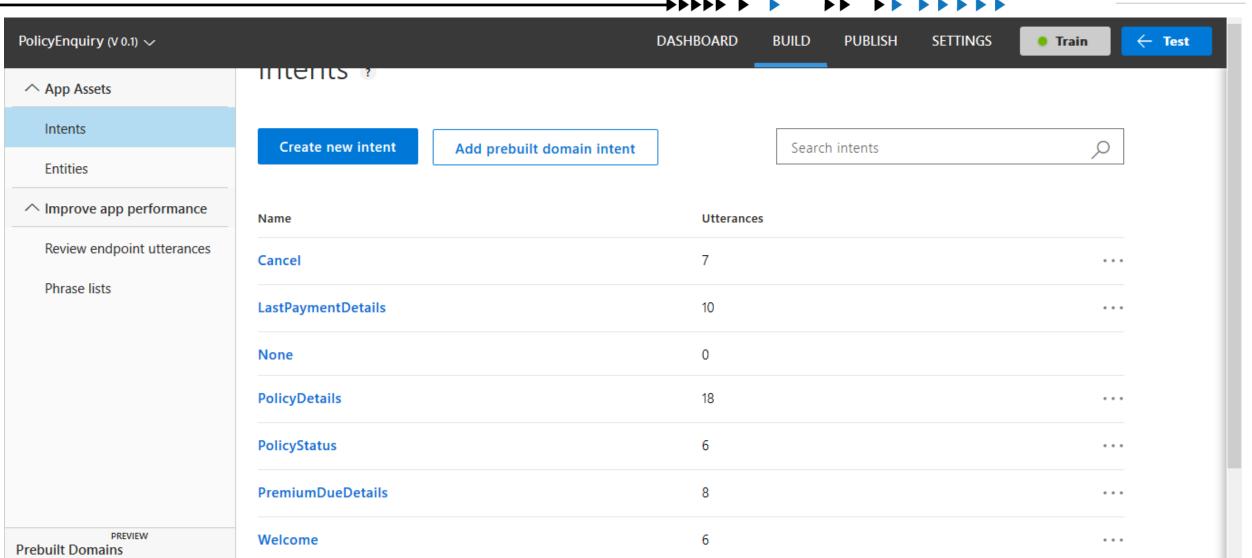






LUIS Intents

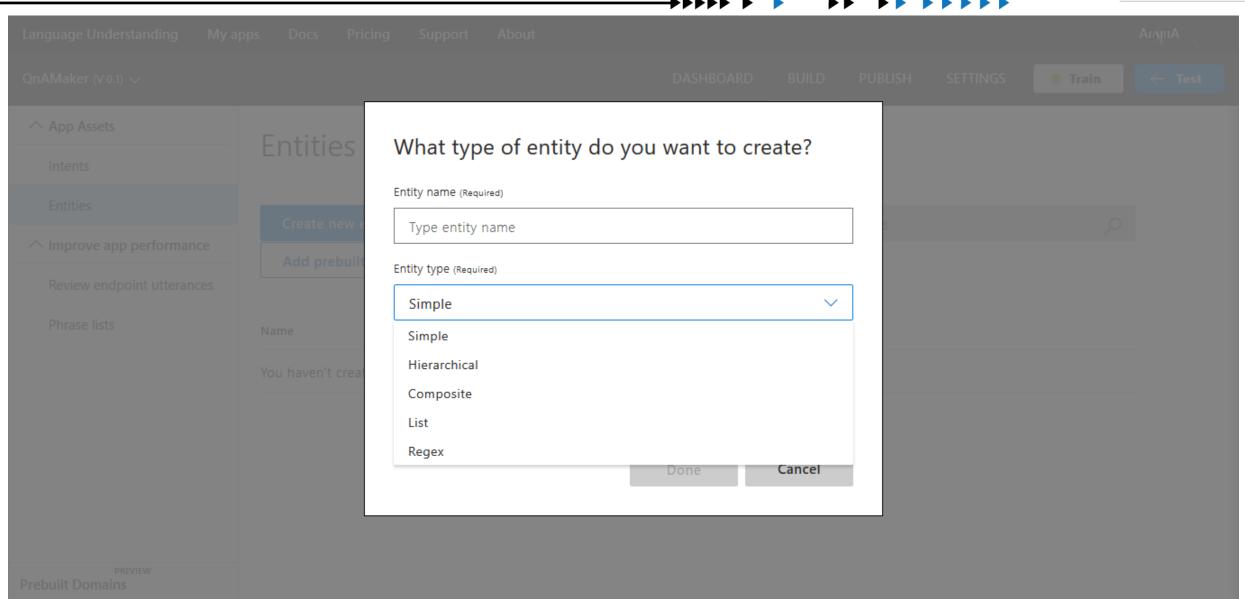






Create new LUIS Entity





LUIS Entities



				>> >>			
PolicyEnquiry (V 0.1) 🗸			DASHBOARD BUI	LD PUBLISH	SETTINGS	• Train	← Test
^ App Assets	Name	Туре	Labeled Utterand	ces			
Intents	Address	Composite	0			• • •	.
Entities	AutoRenewal	Simple	3			• • •	
↑ Improve app performance	BillingAddress	Simple	2			• • •	
Review endpoint utterances Phrase lists	ContactAddress	Simple	2			•••	
Timase iisto	EndDate	Simple	4			• • •	
	LastPaymentAmount	Simple	3			• • •	
	LastPaymentDate	Simple	4			• • •	
	LastPaymentDetail	Composite	1			• • •	•
	LastPaymentStatus	Simple	2			• • •	
Prebuilt Domains	PhoneNumber	Simple	2			• • •	



Utterances

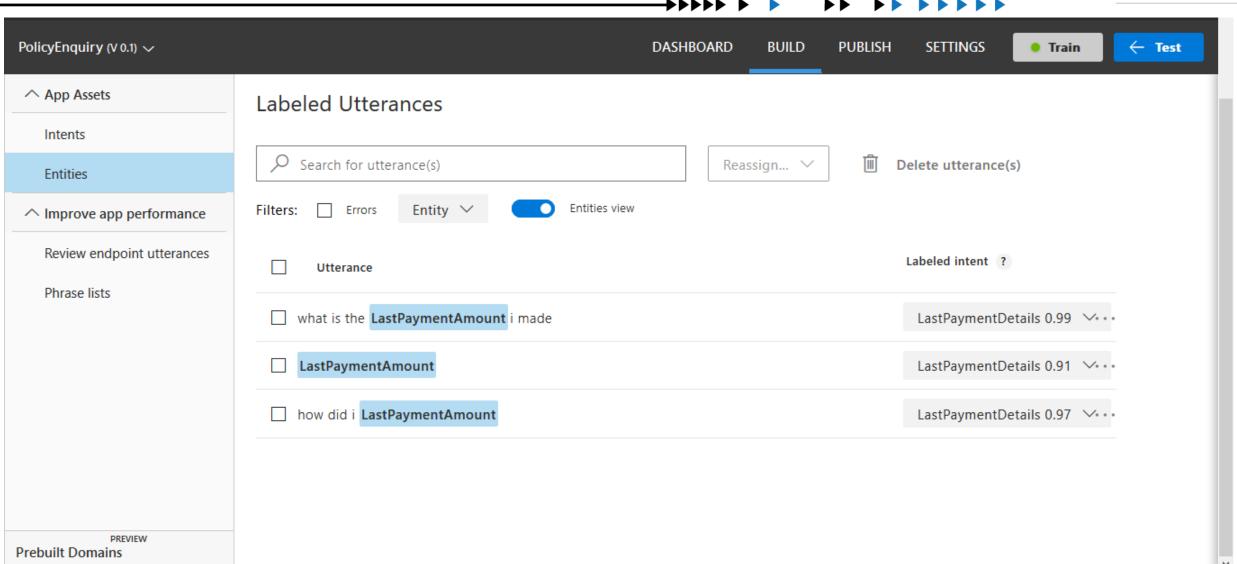


PolicyEnquiry (V 0.1) 🗸		BLISH SETTINGS • Train
^ App Assets	Utterance	Labeled intent ?
Intents	can i know LastPaymentDate the last payment was done	LastPaymentDetails 0.98 ✓···
Entities ^ Improve app performance	my last payment LastPaymentStatus	LastPaymentDetails 0.98 ∨···
Review endpoint utterances	i want to know my last payment details	LastPaymentDetails 0.94 ✓···
Phrase lists	LastPaymentDate the premium	LastPaymentDetails 0.85 ✓···
	LastPaymentDate the premium	LastPaymentDetails 0.78 ✓···
	LastPaymentDate	LastPaymentDetails 0.97 ✓···
	LastPaymentStatus	LastPaymentDetails 0.98 ✓···
	what is the LastPaymentAmount i made	LastPaymentDetails 0.99 ✓···
PREVIEW Prebuilt Domains	LastPaymentAmount	LastPaymentDetails 0.91 ✓···



Utterances

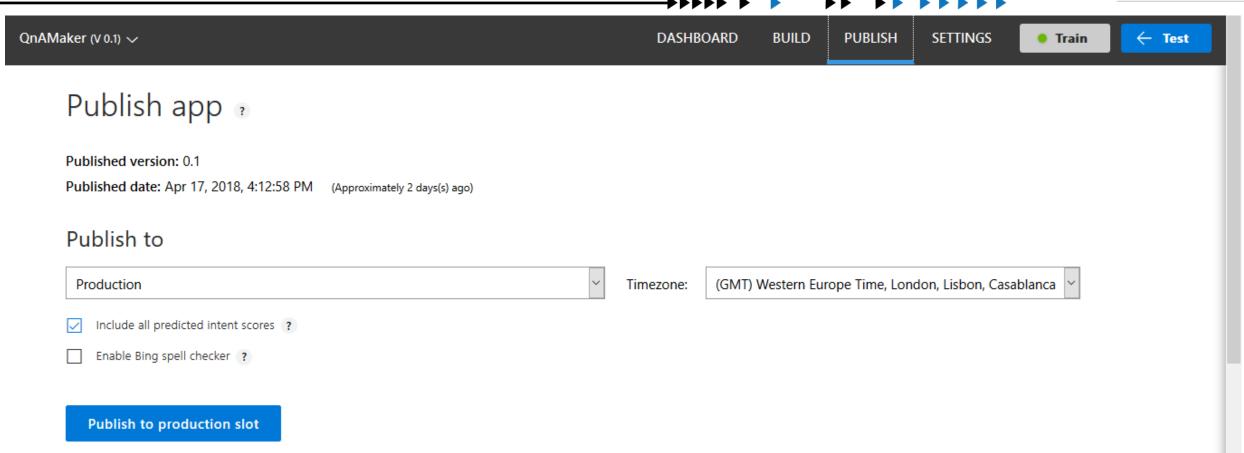






Publish LUIS App

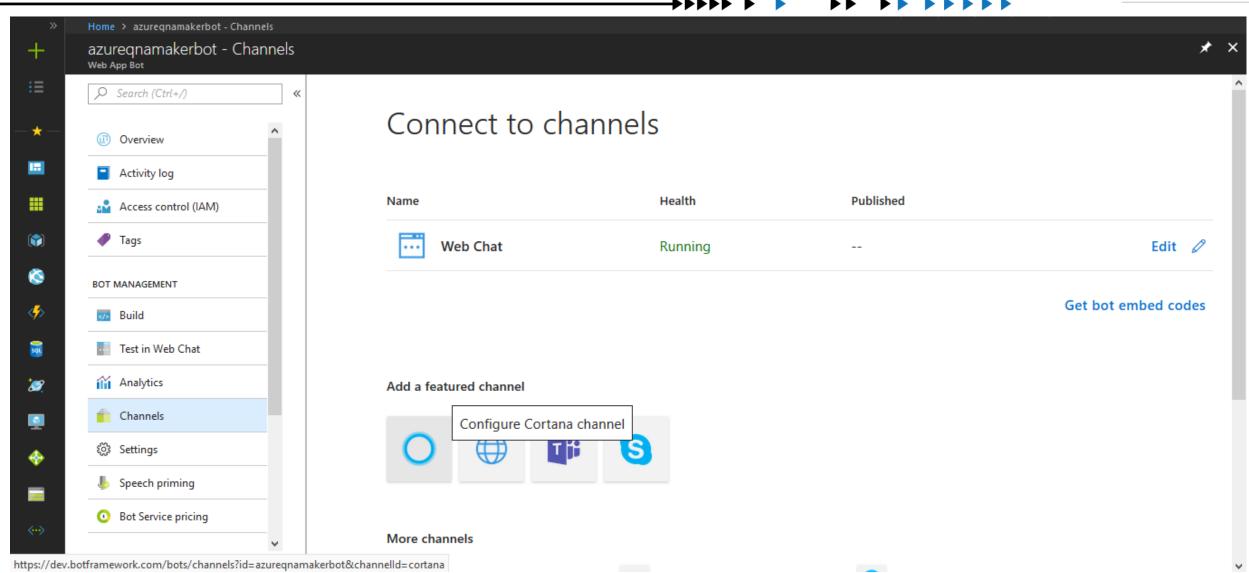






Add Cortana as channel to Bot

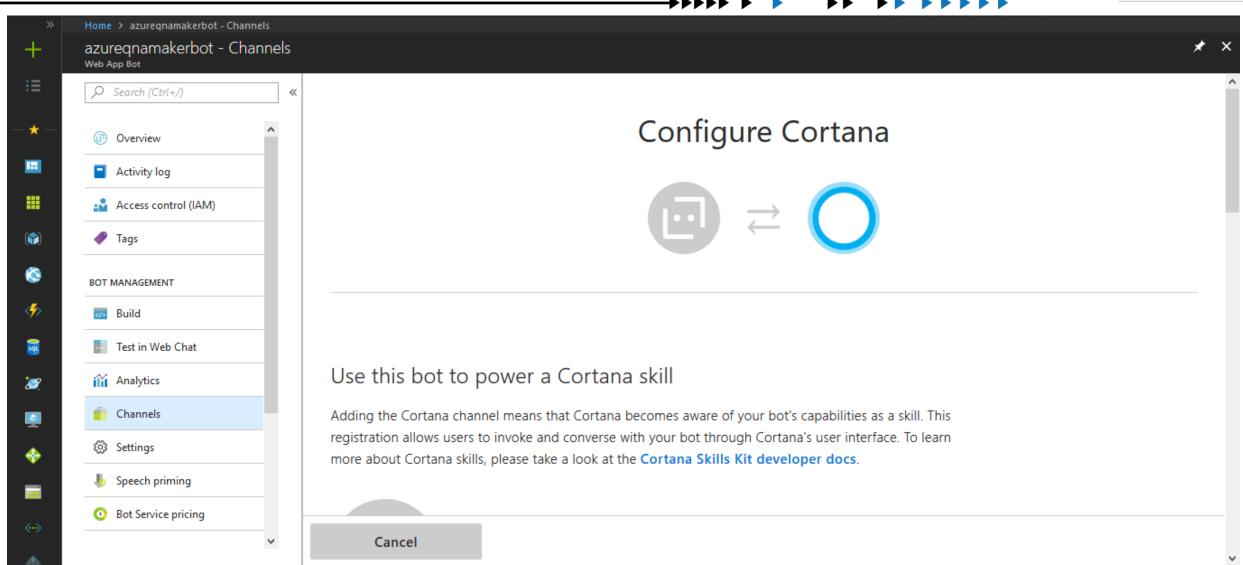






Add Cortana as channel to Bot

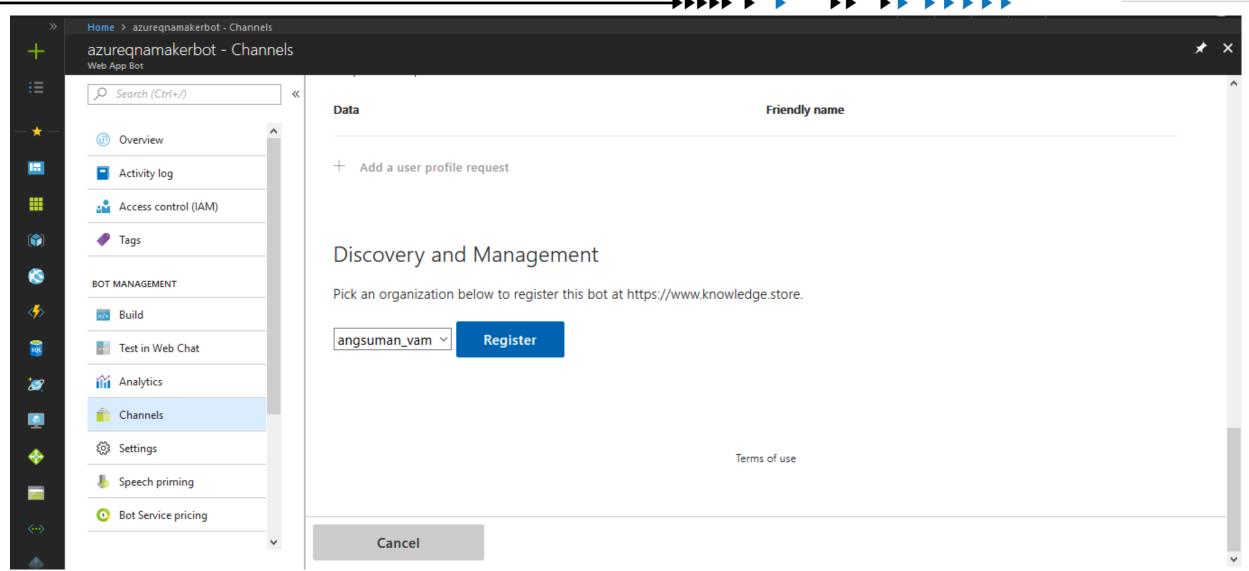






Add Cortana as channel to Bot



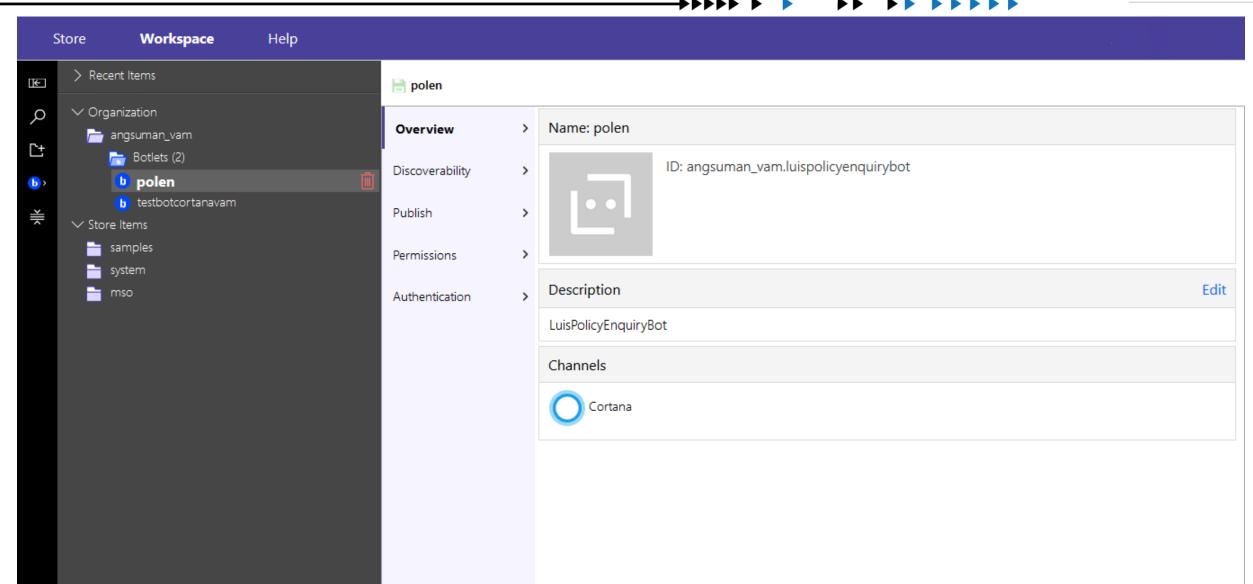




Transferring data from my.knowledge.store...

Bot published in Knowledge Store

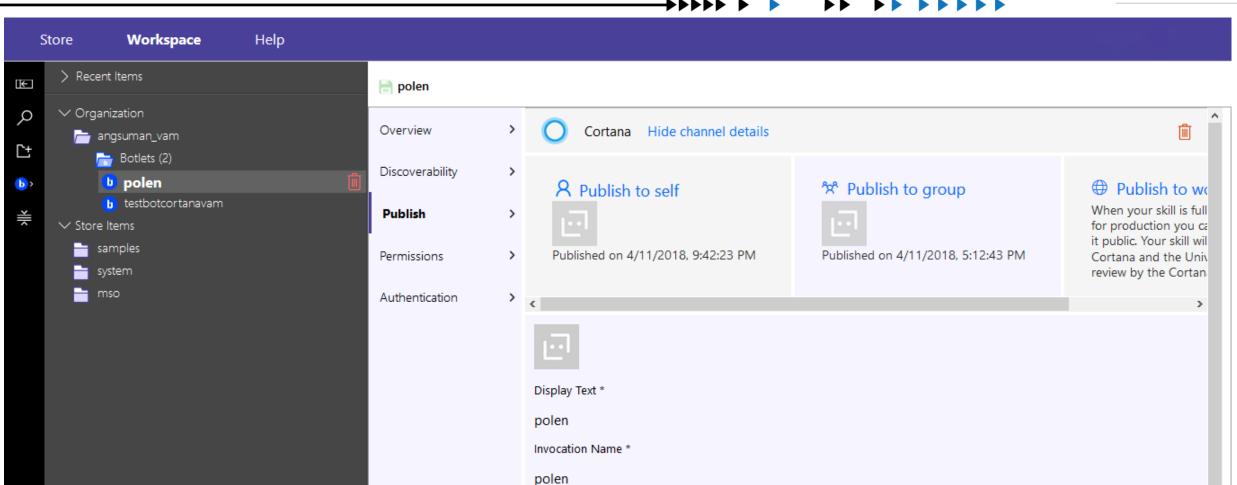






Publish a Skill



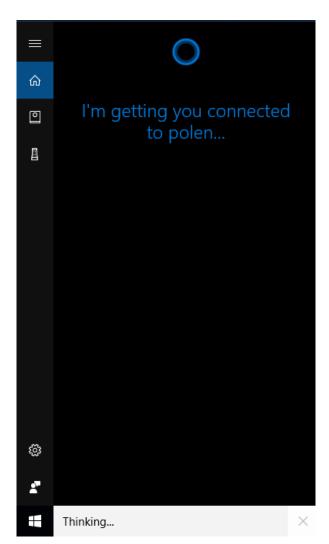


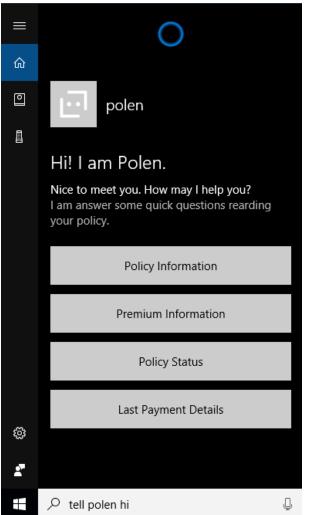


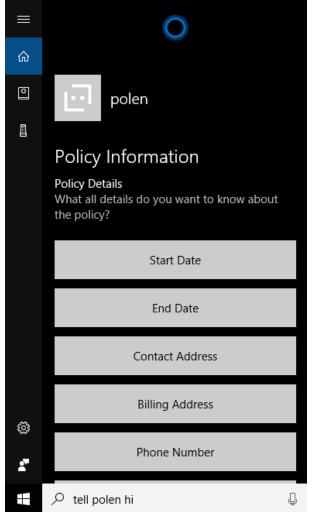
Publish a Skill

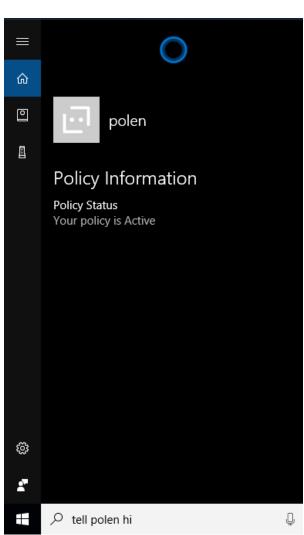














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