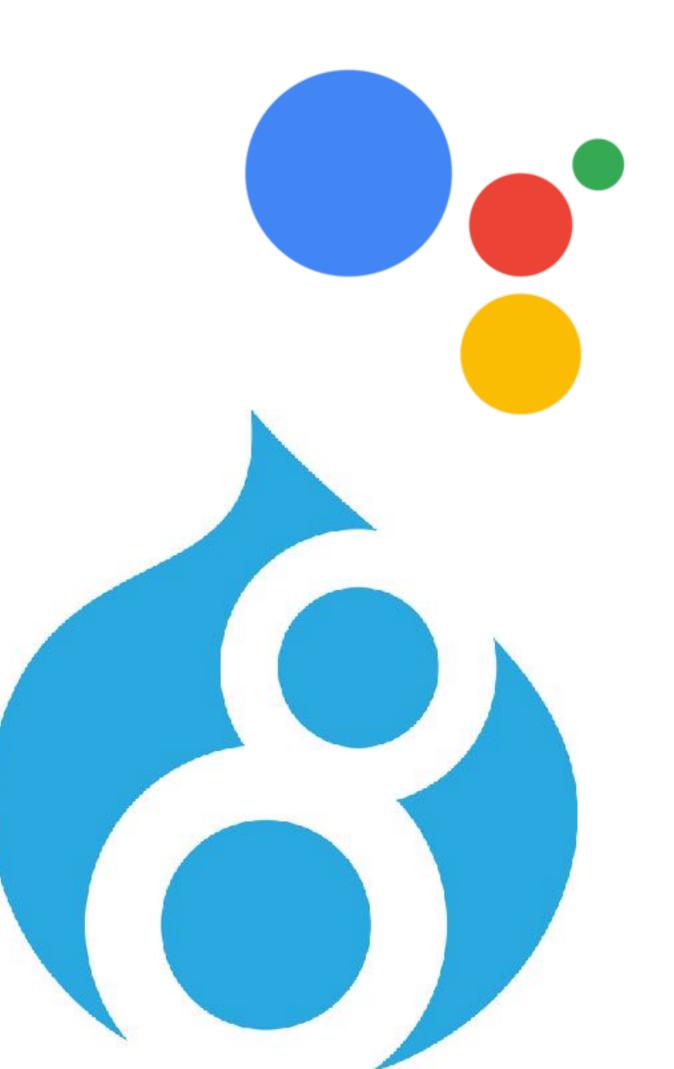
# GET STARTED WITH VOICE USER INTERFACES



DrupalCon Vienna September 2017



#### ABOUT ME



#### Amber Matz

Production Manager and

Trainer

Drupalize.Me

Twitter: @amberhimesmatz



#### DRUPALIZE.ME

Get started for only \$35/month!



Guides

Blog

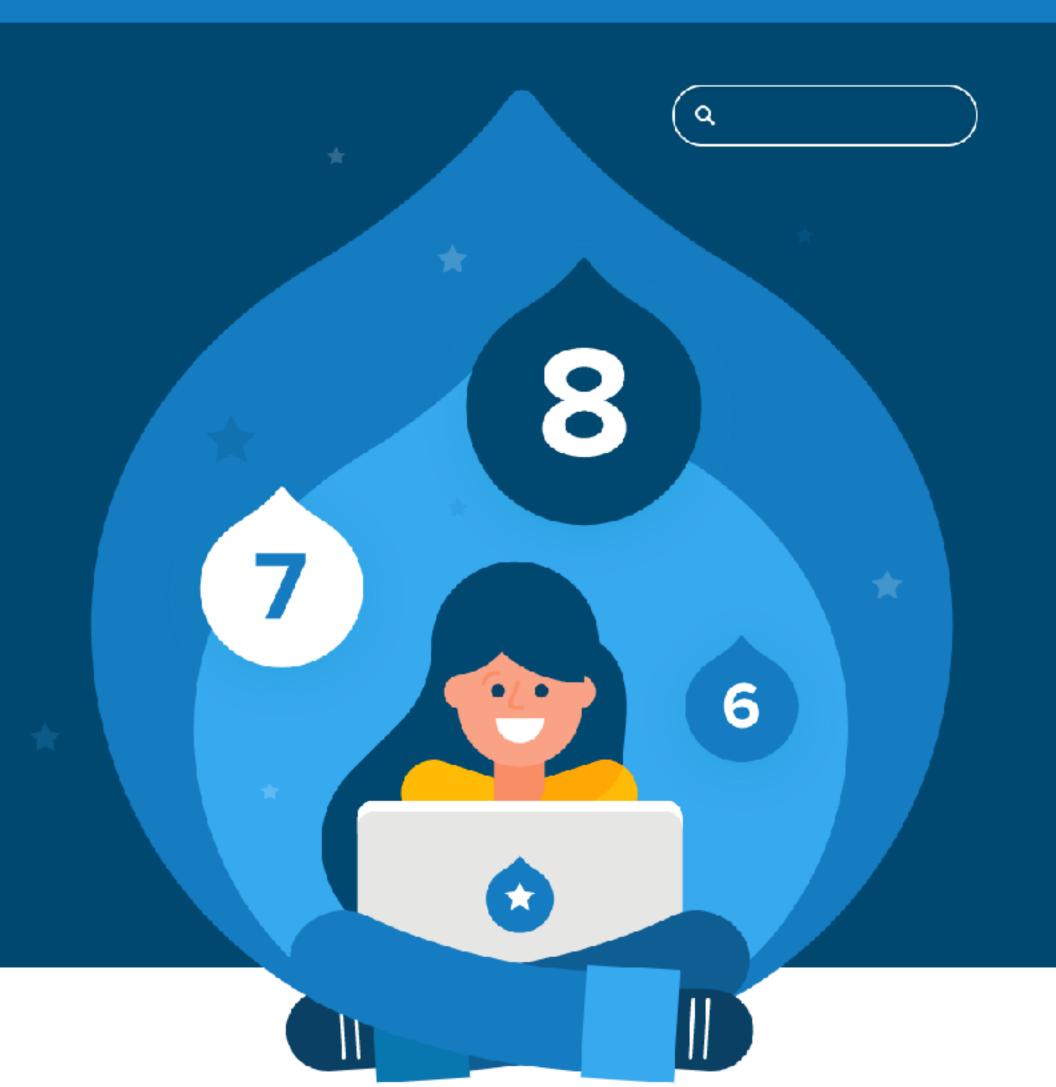
**Pricing** 

Log in

# Expert Drupal Training anytime, anywhere

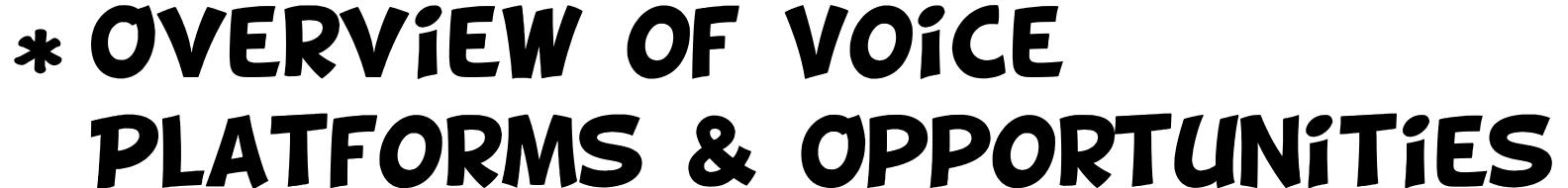
Instant access to the best, most accurate training you can find.

Start learning today



#### IN TODAY'S EPISODE









- \* VOICE APP CONCEPTS
- \* ENDPOINT POSSIBILITIES
- \* DEMOS

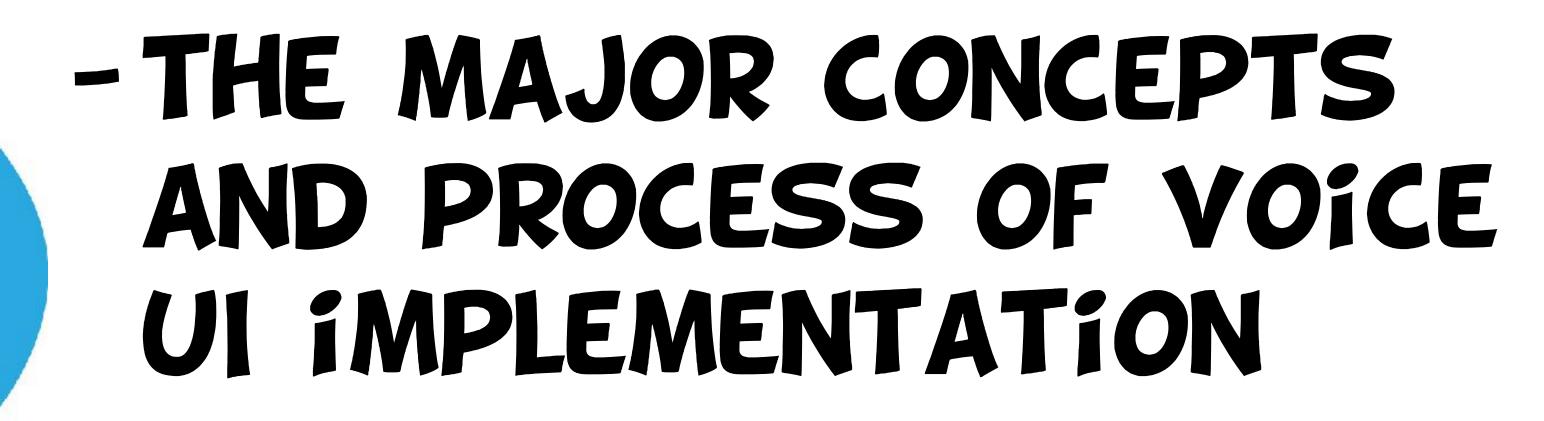


#### TAKE AWAYS



\* BY THE END, YOU'LL BETTER UNDERSTAND:









# WHO is THis For?



\* YOU ARE:

- INTERMEDIATE TO ADVANCED WEB OR APP DEVELOPER



\* YOU CAN:

-COPY AND PASTE.

-FOLLOW INSTRUCTIONS.





# VOICE PLATFORMS & OPPORTUNITIES

#### THE EMERGING PLAYERS

- \* ALEXA
- \* GOOGLE
- \* API.AI
- \* CORTANA
- \*SIRI

\* SERVICE NAME:

- ALEXA



#### \* PURPOSE:

-LETS YOU BUILD CUSTOM VOICE "SKILLS" FOR ALEXA-ENABLED DEVICES OR INTEGRATE ALEXA INTO YOUR CONNECTED PRODUCT.

\* COMPANY:

- AMAZON



- \* HOSTING:
  - -AWS LAMBDA
  - ANY INTERNET-ACCESSIBLE ENDPOINT



- \* DEVICES:
  - -ECHO FAMILY
  - -KINDLE FIRE
  - -ANY "ALEXA-ENABLED" CONNECTED DEVICE



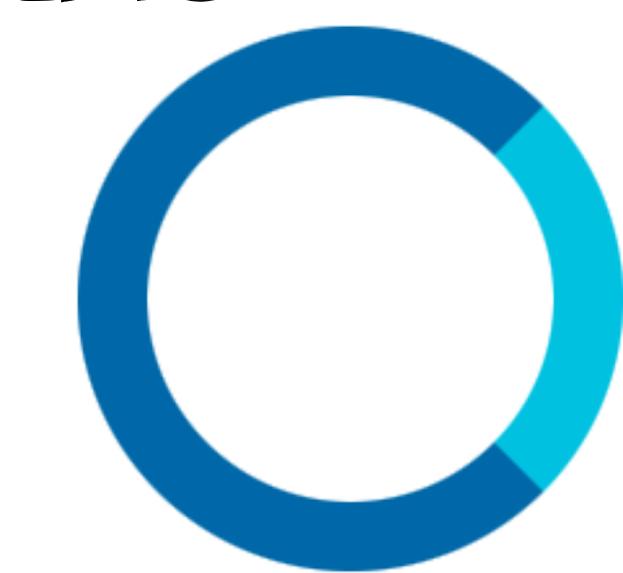
- \* APP DISTRIBUTION:
  - -ALEXA STORE
  - END-USER INSTALLS VÍA ALEXA APP



- \* LOCALIZATION & LANGUAGE SUPPORT:
  - -US-EN
  - -UK-EN
  - -GERMANY-GERMAN



- \* STATE OF DEVELOPER SUPPORT
  - -SKILL-BUILDING UI
  - -DOCS, SAMPLES, API REFERENCE
  - -VIDEO WALKTHROUGHS & CONCEPTS
  - -VARIETY OF SDKS
  - POSITIVE TESTING AND PUBLISHING EXPERIENCE



- \* DEVELOPER HOME(S):
  - DEVELOPER.AMAZON.COM/ ALEXA
  - DEVELOPER.AMAZON.COM/ ALEXA-VOICE-SERVICE



# Introducing the AVS Device SDK

An easy-to-use SDK for commercial device makers to integrate Alexa into connected products

Learn more »

amazon





A free SDK that lets you easily build voice experiences

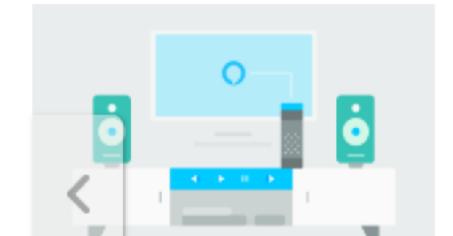


Bring voice capabilities to your connected device



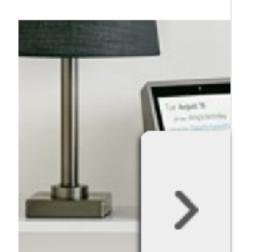
\$100 million in investment to fuel voice technology innovation

#### Learn to build with Alexa









#### Get started

Create an Alexa skill now

Learn how to build your first skill

Integrate Alexa into your device

#### GOOGELE

- \* SERVICE NAME:
  - -GOOGLE ASSISTANT
  - -ACTIONS ON GOOGLE



#### 

\* PURPOSE:

-GOOGLE ACTIONS LET YOU BUILD APPS FOR THE GOOGLE ASSISTANT



\* COMPANY:

-GOOGLE



- \* HOSTING:
  - -CLOUD FUNCTIONS FOR FIREBASE
  - -GOOGLE CLOUD
  - -ANY INTERNET-ACCESSIBLE ENDPOINT



- \* DEVICES:
  - -GOOGLE HOME
  - -ANY GOOGLE ASSISTANT-ENABLED DEVICE



- \* APP DISTRIBUTION:
  - AUTOMATIC DISTRIBUTION TO GOOGLE-ASSISTANT ENABLED DEVICES
  - USER DOES NOT ENABLE OR INSTALL CUSTOM APPS



- \* LOCALIZATION & LANGUAGE SUPPORT:
  - DEPENDENT ON USER'S REGIONAL SETTINGS
  - -15 LANGUAGES SUPPORTED IF API.AI USED TO CREATE AGENT



#### API.AI AGENT LANGUAGES

- BRAZILIAN PORTUGUESE
- CHINESE (CANTONESE)
- CHINESE (SIMPLIFIED)
- CHINESE (TRADITIONAL)
- ENGLISH
- DUTCH
- FRENCH

- -GERMAN
- ITALIAN
- JAPANESE
- KOREAN
- PORTUGUESE
- -RUSSIAN
- -SPANISH
- UKRANIAN



# GOOGELE

- \* STATE OF DEVELOPER SUPPORT:
  - AGENT-BUILDING UI (VIA API.AI CONSOLE)
  - -DOCS, SAMPLES, LINKS TO API REFERENCES AND SDKS
  - VIDEO WALKTHROUGHS & CONCEPTS
  - -VARIETY OF SDKS, TOOLS, HOSTING
  - IN-APP AND ENDPOINT TESTING (VIA API.AI CONSOLE)



#### GOOGELE

- \* DEVELOPER HOME(S):
  - DEVELOPERS.GOOGLE.COM/ ACTIONS/
  - DEVELOPERS.GOOGLE.COM/ ASSISTANT/SDK





#### Engage users through the Google Assistant

Actions on Google lets you build apps for the Google Assistant. Your apps can help you engage users through Google Home, eligible Android phones, iPhones, and in the future, through every experience where the Google Assistant is available.

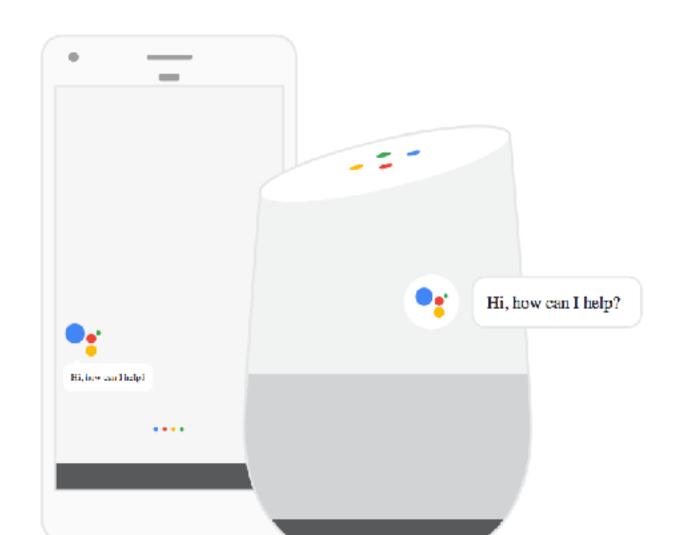
**BUILD AN APP IN 30 MINUTES** 

GO TO THE ACTIONS CONSOLE

#### Reach users right when they need you

Users don't need to install anything to interact with your apps. When they ask for you by name, we'll connect them with your app immediately. And if you tell us what types of actions your app can handle, we can offer it as a recommendation to relevant user questions.

**LEARN MORE** 



# APLAI

\* SERVICE NAME:

-API.AI



#### APIAI

#### \* PURPOSE:

-USE A UNIFIED API + UI TO BUILD CONVERSATIONAL VOICE OR CHATBOT APPS AND DEPLOY TO ONE OR MANY PLATFORMS



#### 

- \* COMPANY:
  - -GOOGLE
  - (ACQUIRED IN 2016)



blog.api.ai/post/joining-google/

#### 

- \* HOSTING & APP
  DISTRIBUTION:
  - -DEPENDS ON INTEGRATION



#### APIAI

#### \* INTEGRATIONS

-ACTIONS ON GOOGLE, FACEBOOK MESSENGER, KiK, LINE, SKYPE, SLACK, CISCO SPARK, TELEGRAM, CISCO TROPO, TWILIO, TWILIO IP, TWITTER, VIBER

api.ai/docs/integrations/

#### APISAI

#### \* CROSS-PLATFORM SUPPORT

- "VOICE INTERFACE IS CROSS-PLATFORM. YOUR AGENT WILL UNDERSTAND YOUR USERS NO MATTER WHAT DEVICE YOU'RE USING. YOU DESIGN THE INTERACTION SCENARIOS JUST ONCE. CURRENTLY, WE HAVE SDK'S FOR ALL MOST POPULAR PLATFORMS AND MORE TO COME."



#### APIAI

- \* LOCALIZATION & LANGUAGE SUPPORT:
  - DEPENDENT ON INTEGRATION
  - -15 LANGUAGES SUPPORTED IF API.AI USED TO CREATE AGENT



api.ai/docs/reference/language

### API.AI AGENT LANGUAGES

- BRAZILIAN PORTUGUESE
- CHINESE (CANTONESE)
- CHINESE (SIMPLIFIED)
- CHINESE (TRADITIONAL)
- ENGLISH
- DUTCH
- FRENCH

- -GERMAN
- ITALIAN
- JAPANESE
- KOREAN
- PORTUGUESE
- -RUSSIAN
- -SPANISH
- UKRANIAN



# APIAI

- \* STATE OF DEVELOPER SUPPORT:
  - AGENT-BUILDING UI
  - -DOCS, SAMPLES, API REFERENCE
  - -Videos (Via Google)
  - -VARIETY OF SDKS
  - -IN-APP AND ENDPOINT TESTING



# APISA

- \* DEVELOPER HOME(S):
  - -API.AI
  - -API.AI/DOCS/SDKS
  - -SEE ALSO: DEVELOPERS.GOOGLE.COM/ ACTIONS/



Overview

Docs

Blog

Pricing

Support



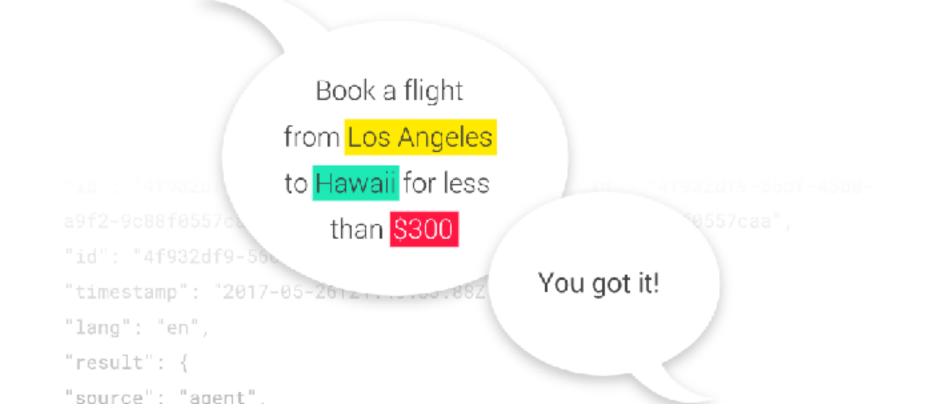
GO TO CONSOLE

# Build delightful and natural conversational experiences

Give users new ways to interact with your product by building engaging voice and text-based conversational apps with API.AI.

SIGN UP FOR FREE



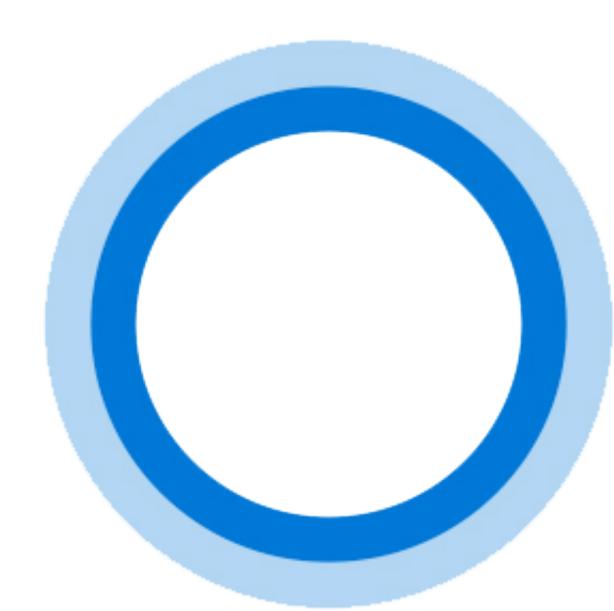


Use machine learning to understand what users are saying

Provide us with examples of what a user might say when interacting

\* SERVICE NAME:

- CORTANA

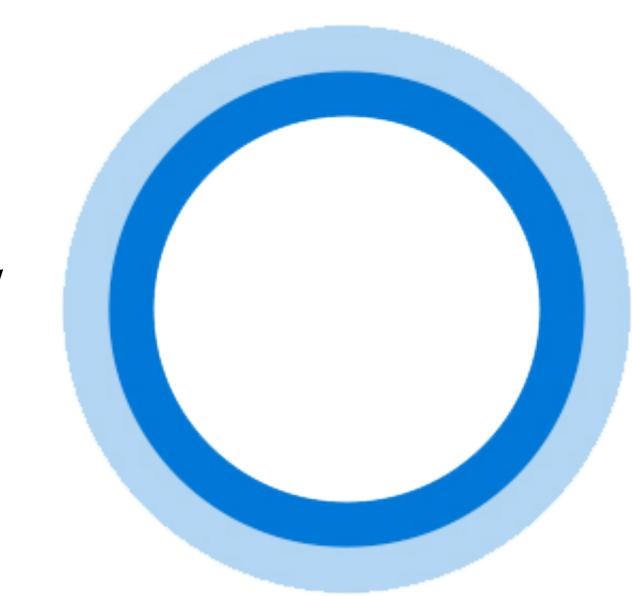


#### \* PURPOSE:

-ADD VOICE (CORTANA) AND "COGNITIVE INTELLIGENCE" TO AN EXISTING BOT BUILT ON THE MICROSOFT BOT FRAMEWORK.

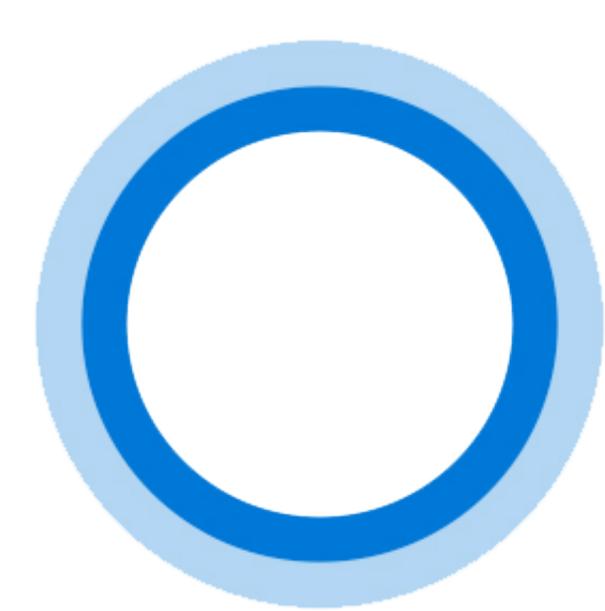
- \* HOSTING:
  - -AZURE
  - ANY INTERNET-ACCESSIBLE ENDPOINT

- \* DEVICES SUPPORTED:
  - -WINDOWS 10
  - -ANDROID, iOS
  - -HARMAN KARDON INVOKE



\* APP DISTRIBUTION:

-BiNG



- \* LOCALIZATION & LANGUAGE SUPPORT:
  - -CORTANA IS OPTIMIZED FOR SPECIFIC LANGUAGE AND MARKET PAIRINGS.
  - -SHE WORKS BEST WHEN YOUR REGION AND LANGUAGE SETTINGS ARE ALIGNED.

#### CORTANA REGIONS/LANGUAGES

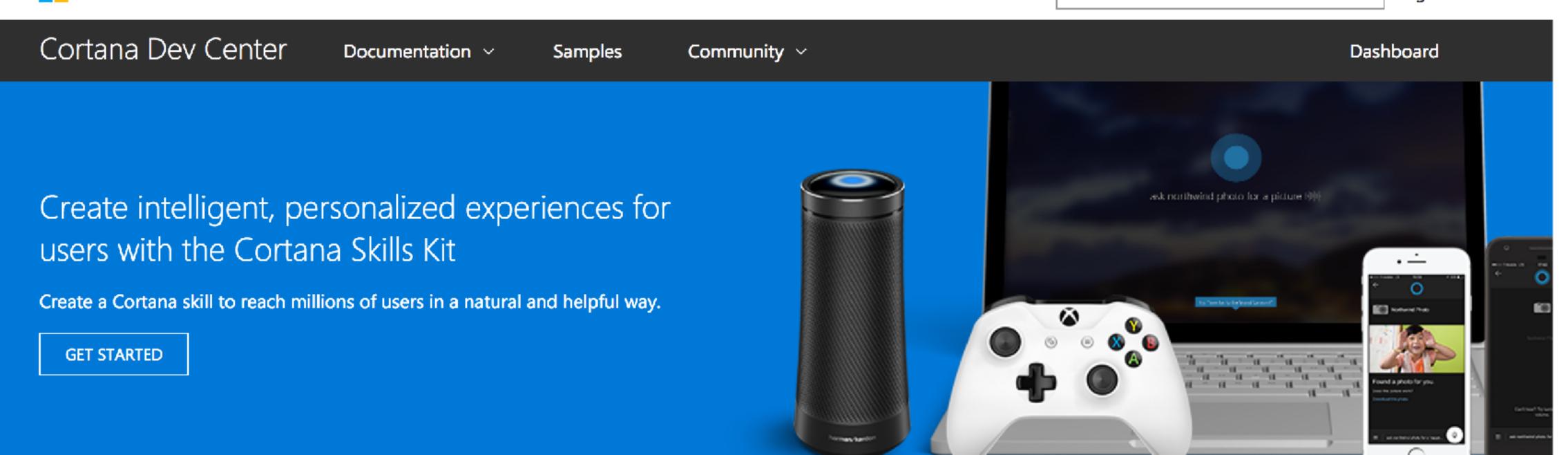
- AUSTRALIA: ENGLISH
- BRAZIL: PORTUGUESE
- CANADA: ENGLISH/FRENCH
- -CHINA: CHINESE (SIMPLIFIED)
- -FRANCE: FRENCH
- -GERMANY: GERMAN
- INDia: ENGLISH

- -ITALY: ITALIAN
- JAPAN: JAPANESE
- -MEXICO: SPANISH
- -SPAIN: SPANISH
- -UNITED KINGDOM: ENGLISH
- -UNITED STATES: ENGLISH

- \* STATE OF DEVELOPER SUPPORT:
  - -PUBLIC PREVIEW
  - -DOCS
  - -ONLY INTEGRATES WITH BOTS
    BUILT WITH MICROSOFT'S
    BOT FRAMEWORK

- \* DEVELOPER HOME(S):
  - DEVELOPER.MICROSOFT.CO M/EN-US/CORTANA
  - DOCS.MICROSOFT.COM/EN-US/CORTANA/SKILLS-FAQ

Change paths to your local region



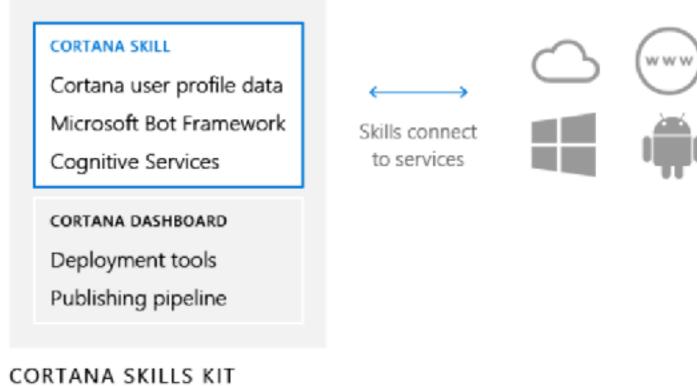
Use the skills kit to provide Cortana with new capabilities

Skills help users complete tasks and get things done.

From conversational tooling through the Bot Framework to intelligent APIs with the Cognitive Services, the skills kit provides all the tools and docs you need to promote your services and engage users through the Cortana experience.

Once created, your skill works wherever your code runs, including on Windows 10, Android, iOS, and headless devices like the new Harman Kardon Invoke. Use our skill management tools to make the development process simple.





# 

\* SERVICE NAME:

-SIRI



# 

#### \* PURPOSE:

- -SIRIKIT ENABLES YOUR 10S APPS AND WATCHOS APPS TO WORK WITH SIRI
- -HOMEKIT ALLOWS USERS TO COMMUNICATE WITH AND CONTROL CONNECTED ACCESSORIES IN THEIR HOME USING YOUR APP

# 

\* COMPANY:

- APPLE



# SIRI

- \* HOMEPOD:
  - -ANNOUNCED PRODUCT
  - -"HOMEPOD WILL HAVE MORE PEOPLE QUERYING SIRI."

www.apple.com/homepod/



# SIRI

- \* LOCALIZATION AND LANGUAGE SUPPORT:
  - -I DON'T KNOW
  - -HOMEPOD: ENGLISH (US, UK, AUSTRALIA)



# SIRI

- \* DEVELOPER HOME(S):
  - DEVELOPER.APPLE.COM/ SIRIKIT/
  - DEVELOPER.APPLE.COM/ HOMEKIT/







#### SiriKit

SiriKit enables your iOS apps and watchOS apps to work with Siri, so users can get things done with your content and services using just their voice. In addition to extending Siri's support for messaging, photo search and phone calls to more apps, SiriKit also adds support for new services, including ride booking and personal payments.

#### Supported Domains and Intents

Apps adopt SiriKit by building an extension that communicates with Siri, even when your app isn't running. The extension registers with specific domains and intents that it can handle. For example, a messaging app would likely register to support the Messages domain, and the intent to send a message. Siri handles all of the user interaction, including the voice and natural language recognition, and works with your extension to get information and handle.

## OPEN SOURCE OPTIONS

- \* MYCROFT
- \* JASPER
- \* (I'M SURE THERE ARE OTHERS, TOO.)

# DESIGNING FOR VOICE



http://gph.is/1cqe4FA

- \* TURN-TAKING
  - -WE TAKE TURNS BASED ON SUBTLE CUES
  - -OTHERWISE, WE TALK OVER EACH OTHER
  - -HOW DO WE TAKE TURNS?

https://developers.google.com/actions/design/

- \* THREADING
  - CONVERSATION EVOLVES OVER TIME
  - INCLUDES CONTEXT
  - -HOW DO WE KEEP TRACK OF WHAT'S BEEN SAID?

- \* THE NATURAL EFFICIENCY OF LANGUAGE
  - -"READING BETWEEN THE LINES"
  - -LEAVING SOME THINGS UNSPOKEN
  - -HOW DO WE COMPENSATE FOR THIS IN CODE?

- \* SAYING THE SAME THING, DIFFERENTLY
  - -PEOPLE USE DIFFERENT WORDS TO MEAN THE SAME THING
  - -CONTEXT INFLUENCES RESPONSE
  - -HOW CAN OUR APP RECOGNIZE VARIABLE RESPONSES?

- \* GETTING "BACK ON TRACK"
  - -NO SUCH THING AS ERRORS
  - -HOW CAN WE DESIGN CONVERSATIONS THAT CAN GET BACK ON TRACK?

## COOPERATIVE PRINCIPLE

#### \* COOPERATIVE CONVERSATION:

- -BE TRUTHFUL
- -BE INFORMATIVE
- -BE RELEVANT
- -BE CLEAR

Be Cooperative...Like Your Users https://developers.google.com/actions/design/be-cooperative

# CHOOSING PROJECTS

# CHOOSE PROJECTS WHERE ADDING VOICE WILL:

- \* MAKE IT FASTER
- \* MAKE IT EASIER
- \* MAKE IT FUN

https://alexa.design/guide

# WHAT'S FASTER?

SETTING TIMER WITH TOUCH (MICROWAVE/PHONE)

OR

SAYING "ALEXA, SET A TIMER FOR 3 MINUTES" FROM ANYWHERE IN THE ROOM?

# WHAT'S EASIER?

- \* PLAY/STOP A SONG WITH MENUS, SCREENS, BUTTONS?
- \* HANDS-FREE, EYES-FREE VOICE REQUEST

## MORE "EASY" EXAMPLES

"SINGLE-TURN DIALOGUE" IS EASY:

- \* ASKING FOR THE WEATHER
- \* ASKING FOR A JOKE

# IT SHOULD BE EASY

- \* MULTIPLE-TURN DIALOGUE NEEDS TO BE EASY
- \* REQUIRES MORE DESIGN WORK
- \* EXPLORE INTERACTION THAT CAN FLOW IN VARIOUS WAYS
- \* INCLUDE "DIALOGUE CORRECTION" IN YOUR DESIGN

# DESIGNING FOR FUN

- \* GAMES SHOULD BE EASY TO PLAY BUT STILL PRESENT A CHALLENGE
- \* IS THERE A PLACE TO INCORPORATE HUMOR, SURPRISE, OR DELIGHT?
- \* HOW DO YOU WANT USERS TO FEEL DURING/AFTER INTERACTION?

# BE CHOOSY

- \* BE CHOOSY ABOUT WHAT TO EXPOSE AS VOICE INTERACTION
- \* DOES IT MAKE IT FASTER, EASIER, OR MORE FUN FOR THE USER?

#### WHAT'S THE PURPOSE?

- \* WHY WOULD PEOPLE WANT TO USE YOUR VOICE UI?
- \* IN WHAT CONTEXT WILL THEY USE IT?
- \* WHAT WILL THEY GET FROM IT THAT THEY CAN'T GET ANOTHER WAY?

#### CREATE A PERSONA

- \* WHAT'S YOUR UI'S PERSONALITY?
- \* WHAT KINDS OF THINGS WOULD THEY SAY?
- \* IS IT IN-LINE WITH YOUR BRAND'S VALUES?

### SCRIPT DIALOGUES

- \* WRITE THE SCRIPT BETWEEN AL AND THE USER
- \* FOCUS ON THE "HAPPY PATH" (AT FIRST!)
- \* DOES THE DIALOGUE FLOW NATURALLY?

### TiPS FOR SCRIPTS

- \* KEEP INTERACTIONS BRIEF
- \* WRITE FOR HOW PEOPLE TALK, NOT READ OR WRITE
- \* INDICATE WHEN THE USER NEEDS TO PROVIDE INFO

### DIAGRAM THE FLOW

- \* REFERENCE THE HAPPY PATH SCRIPT
- \* MAP OUT ALL THE INPUTS NEEDED FROM THE USER
- \* BRANCH OUT TO COVER ADDITIONAL LOGIC, FALLBACKS, AND CONVERSATION REPAIR

### SCRIPT EXAMPLE

UI	Welcome to Number Genie! I'm thinking of a number from 0 to 100. What's your first guess?
User	50
UI	It's lower than 50. Next guess?
User	How about 9.
UI	Piping hot! Go lower.
User	Okayis it 8?
UI	Keep going.
User	7!
UI	Yes! It's 7. How about another round?
User	No thanks.
UI	Alright, talk to you later then.

https://developers.google.com/actions/design/how-conversations-work

### INTERACTION MODEL

- \* WHAT ARE THE CONCRETE THINGS
  THAT CAN HAPPEN?
  - => INTENTS
- \* WHAT IS SAID TO MAKE THESE THINGS HAPPEN?
  - => UTTERANCES/USER SAYS
- \* WHAT DATA DO YOU NEED TO FULFILL THE REQUEST?
  - => SLOTS/ENTITIES

#### RESOURCES

\* VIDEO:

ACTIONS ON GOOGLE:
CONVERSATION DESIGN
TIPS

YOUTU.BE/MSUPVBBHIGA

#### RESOURCES

\* THE CONVERSATIONAL UI AND WHY IT MATTERS

DEVELOPERS.GOOGLE.COM/ ACTIONS/ DESIGN/

#### RESOURCES

\* VOICE DESIGN GUIDE

ALEXA.DESIGN/GUIDE

#### KEY CONCEPTS

## ACTIVATION

- \* WAKE WORD OR ACTION
  - -"HEY SIRI", "ALEXA", "OK, GOOGLE"
  - -PUSH A BUTTON ON DEVICE TO ACTIVATE

## INVOCATION

- \* (KEYWORDS +) THE NAME OF YOUR APP
  - -ALEXA: "ASK/OPEN/ LAUNCH FISH JOKES"
  - -GOOGLE: "LET ME TALK TO FISH JOKES"

### INTENTS

- \* MAPS WHAT THE USER SAYS TO ACTIONS
  - -BUILT-IN INTENTS HELP WITH COMMON RESPONSES EVERY APP SHOULD HAVE
  - -CUSTOM INTENTS ARE THE VOICE UI'S SPECIAL SAUCE

### USER SAYS/UTTERANCES

- \* PHRASES OR WORDS YOUR APP RECOGNIZES
  - ADD MANY VARIATIONS
  - -WHAT ABOUT CONTEXT?
  - -CAN CONTAIN SLOTS/ENTITIES WHICH FEED ARGUMENTS TO YOUR ENDPOINT

#### USER SAYS



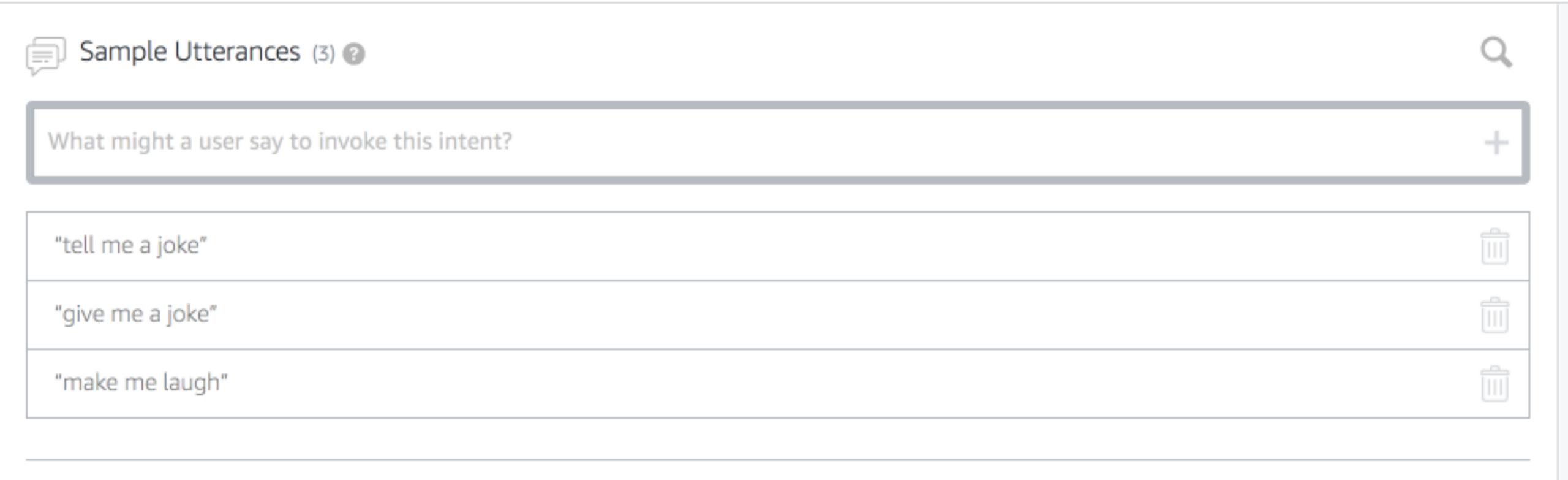
#### User says

- 99 Add user expression
- 55 The history of Google
- Google's history
- 59 Tell me about Google
- I want to hear about Google
- 59 Let's hear about Google's headquarters
- Tell me about the headquarters

#### UTTERANCES



#### getFishJoke /



Does this intent require confirmation?

Intent confirmation (optional) @



## SLOTS/ENTITIES

- \* OPTIONAL ARGUMENTS
  - -DEFINED AS A TYPE & POPULATED WITH TERMS
  - -USED AS PARAMETERS IN "USER SAYS" PHRASES/UTTERANCES

### INTENT: ENTITIES



SAVE

choose\_fact

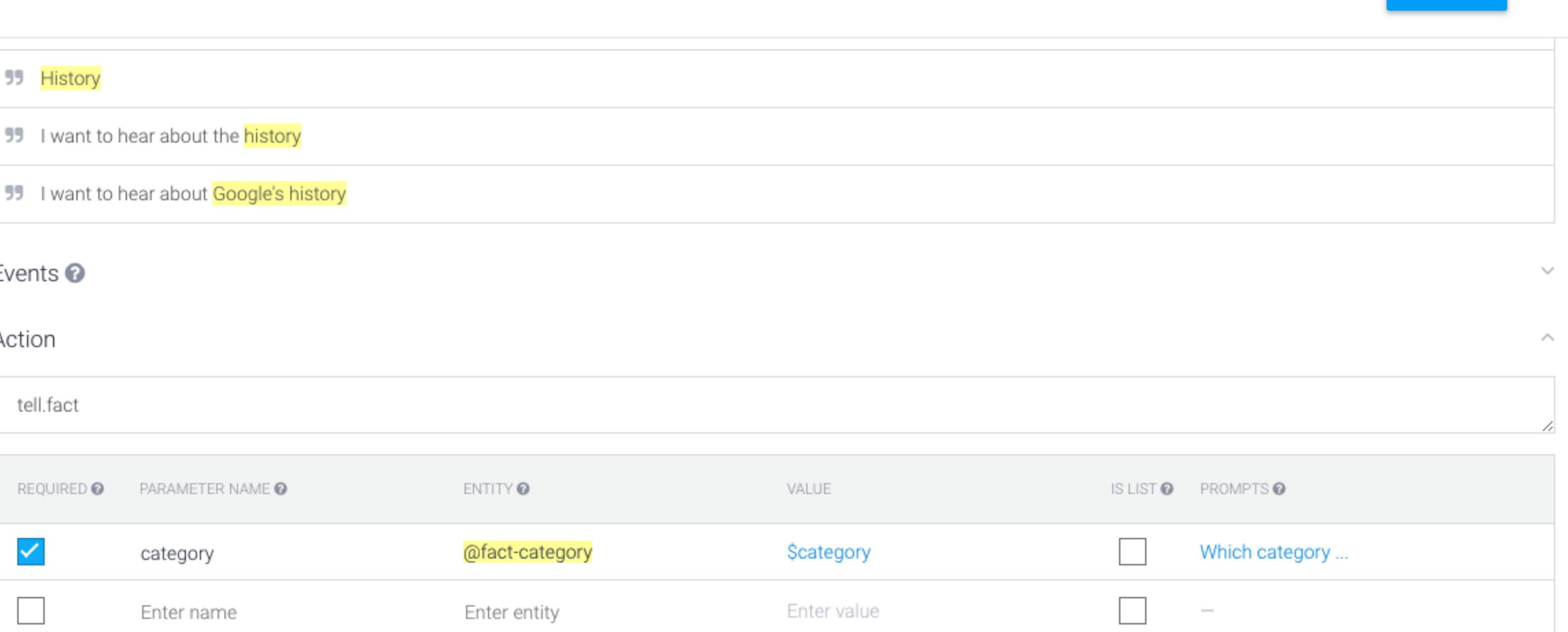
99 History

Events 🚱

tell.fact

REQUIRED @

Action



# ENTITIES



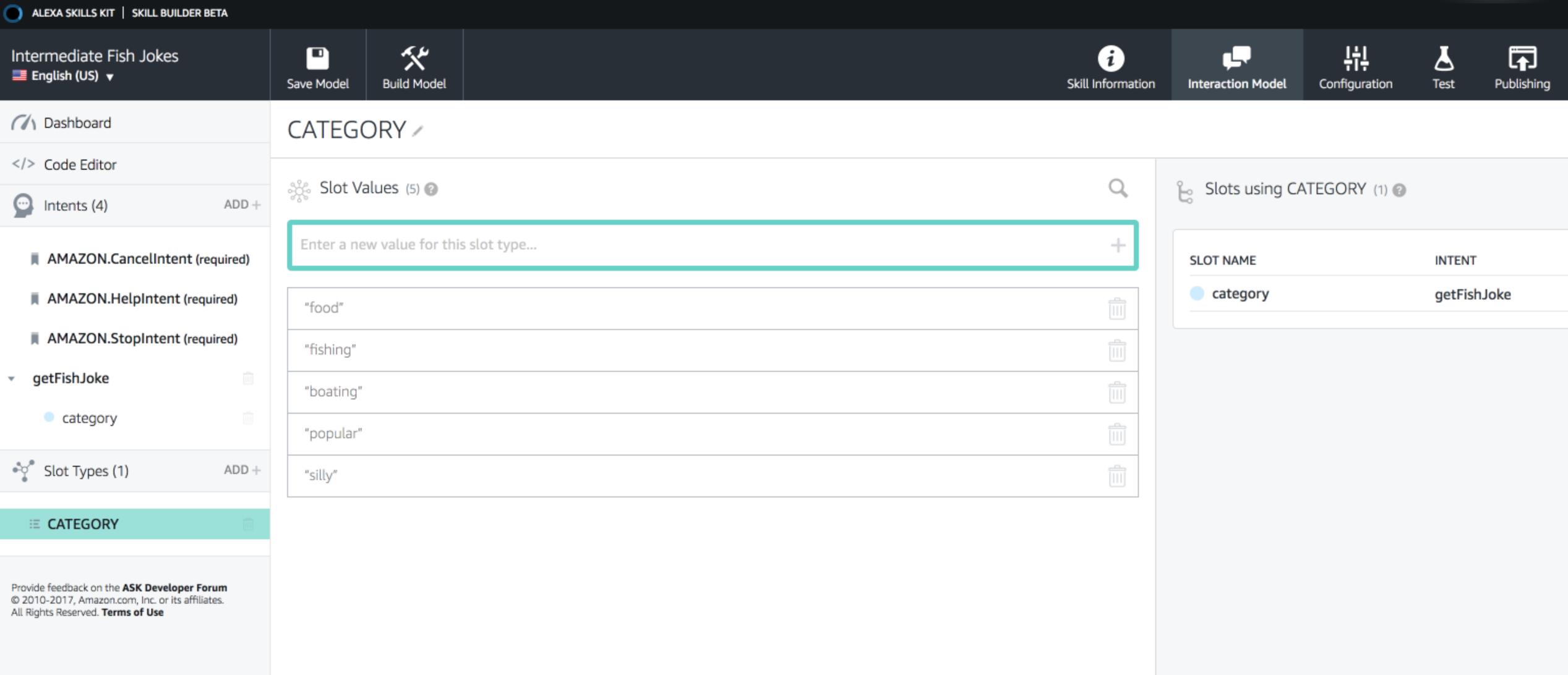
#### fact-category

✓ Define synonyms ②				
history	history, Google's history, past, Google's past, history of Google			
headquarters	headquarters, HQ, Google's headquarters, Google HQ, Googleplex			
	Click here to edit entry			

+ Add a row

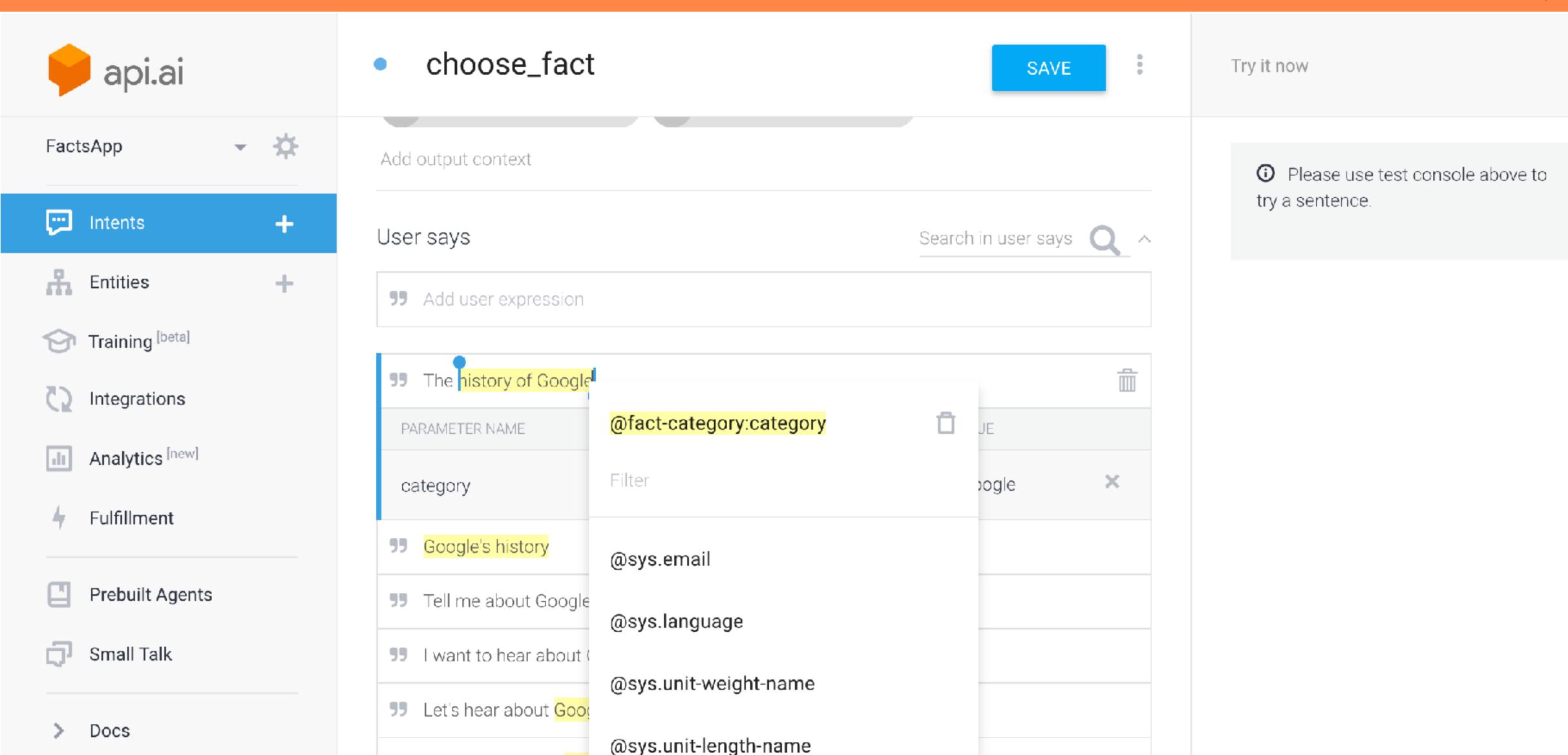
### SLOTS





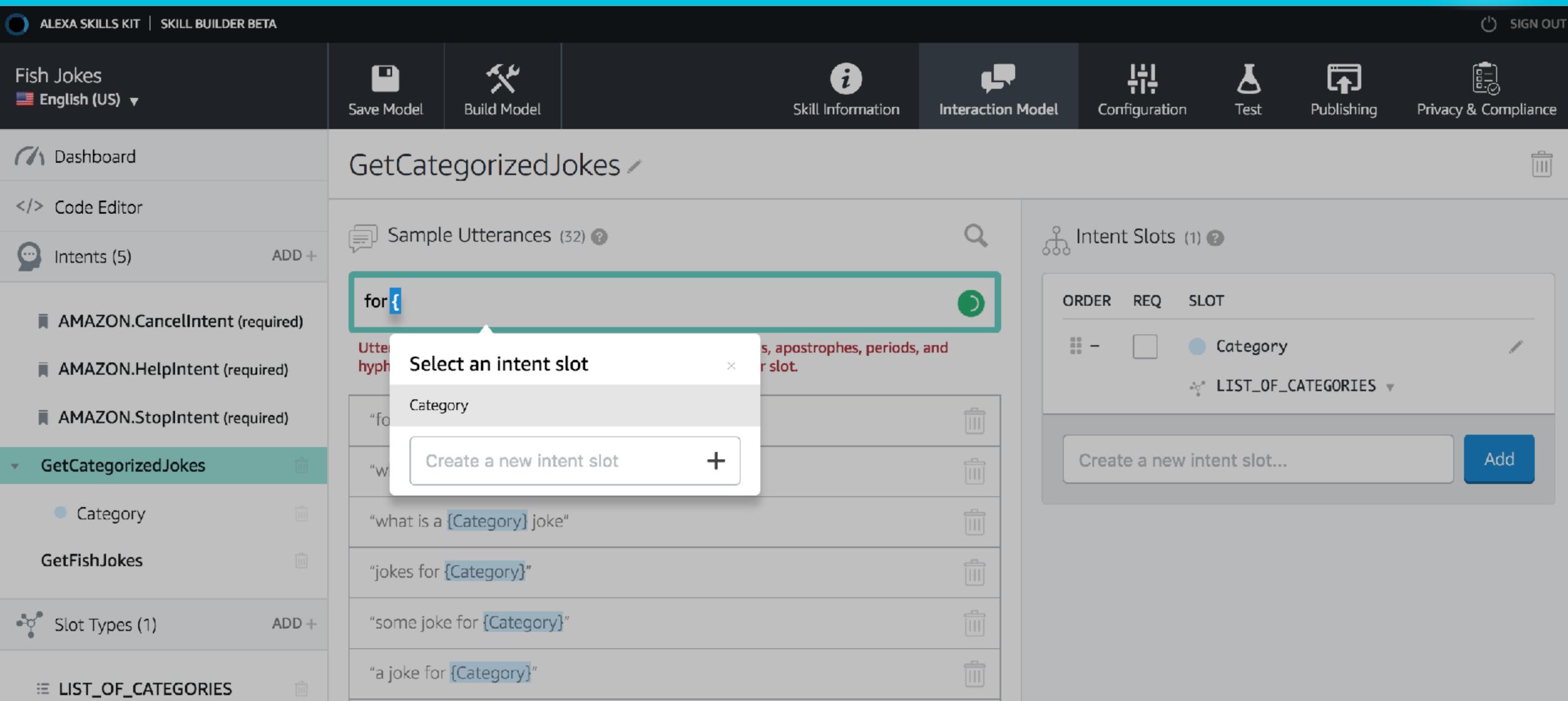
### SPECIFY ENTITIES





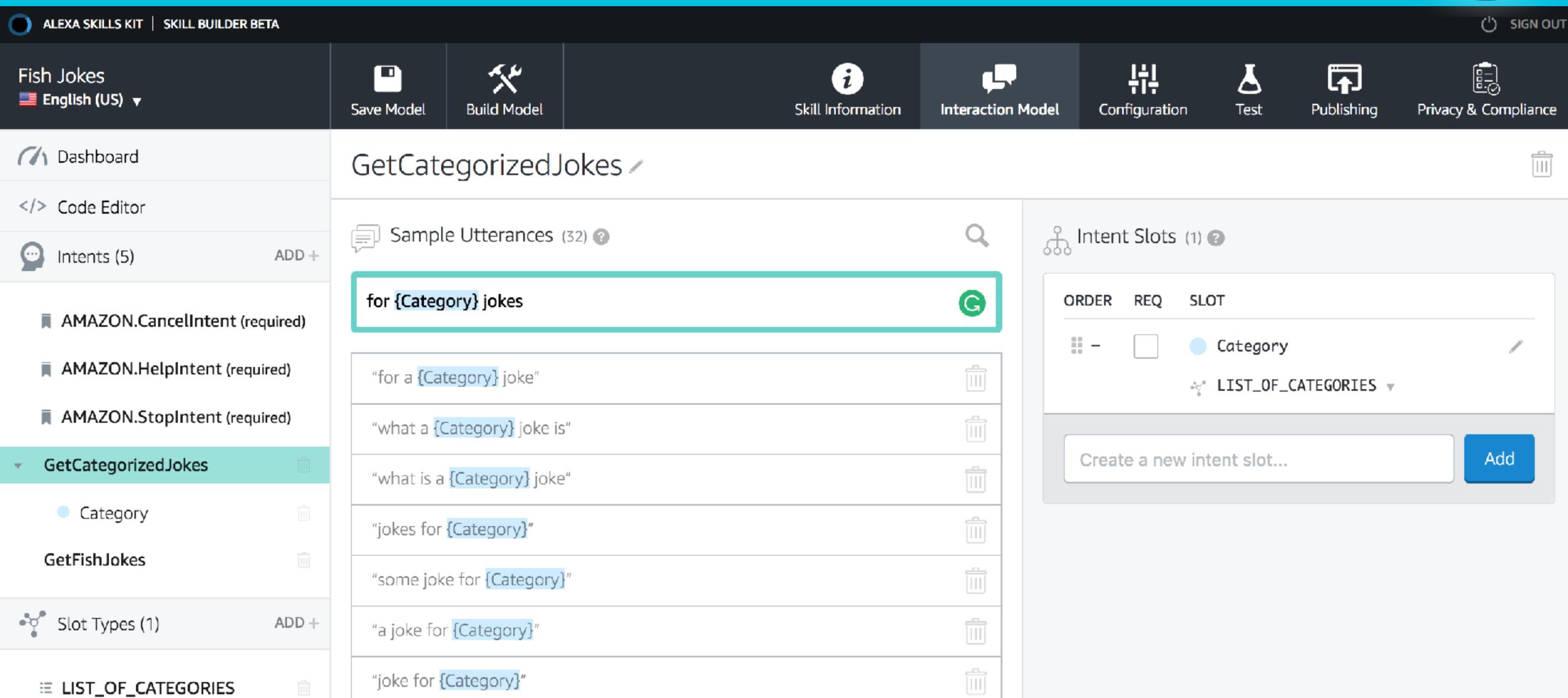
### SELECT SLOT





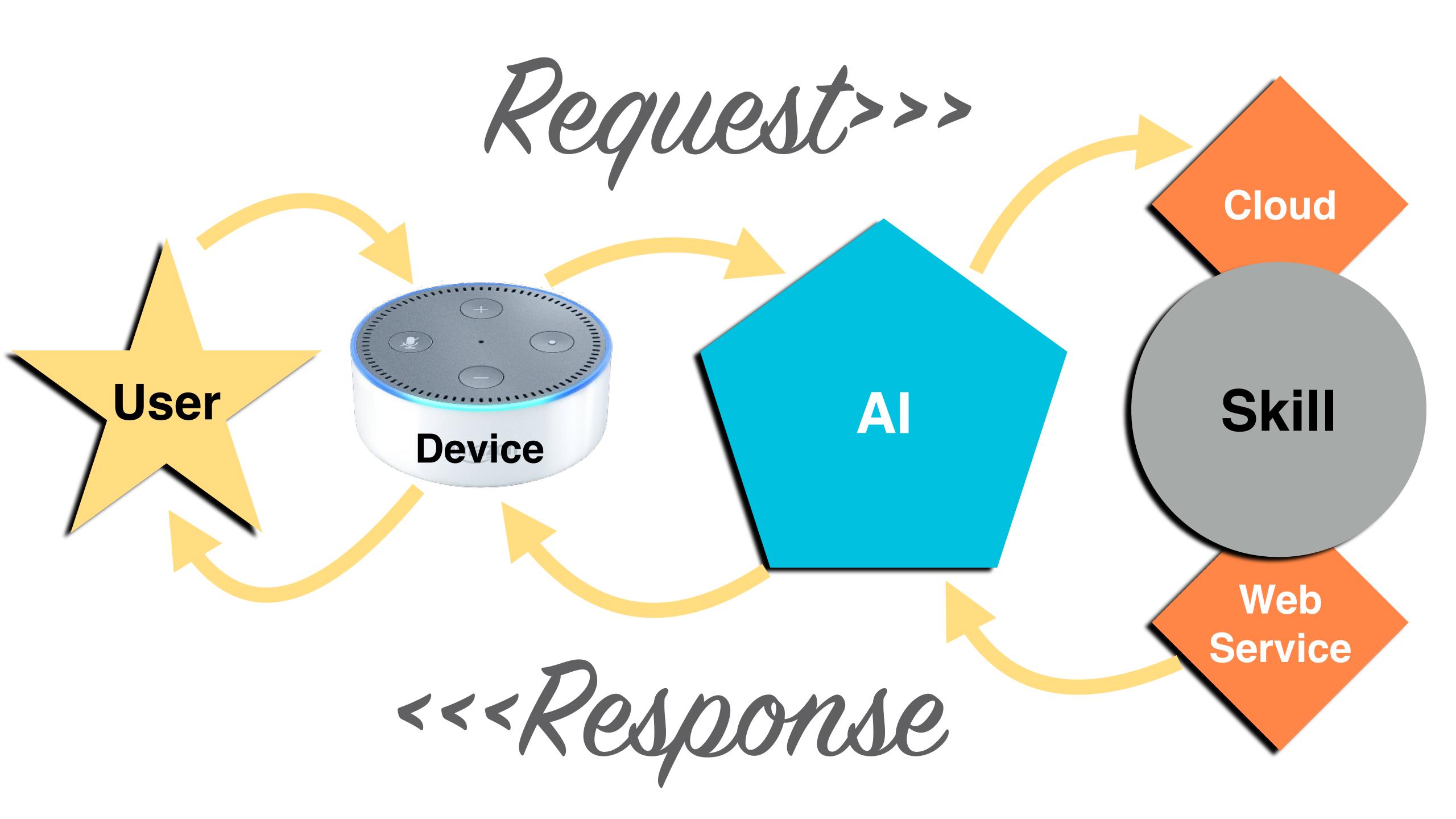
# SLOTS IN PHRASES





### ENTITIES IN PHRASES





#### FULFILLMENT



#### Fulfillment

#### Webhook



Your web service will receive a POST request from API.AI in the form of the response to a user query matched by intents with webhook enabled. Be sure that your web service meets all the webhook requirements.

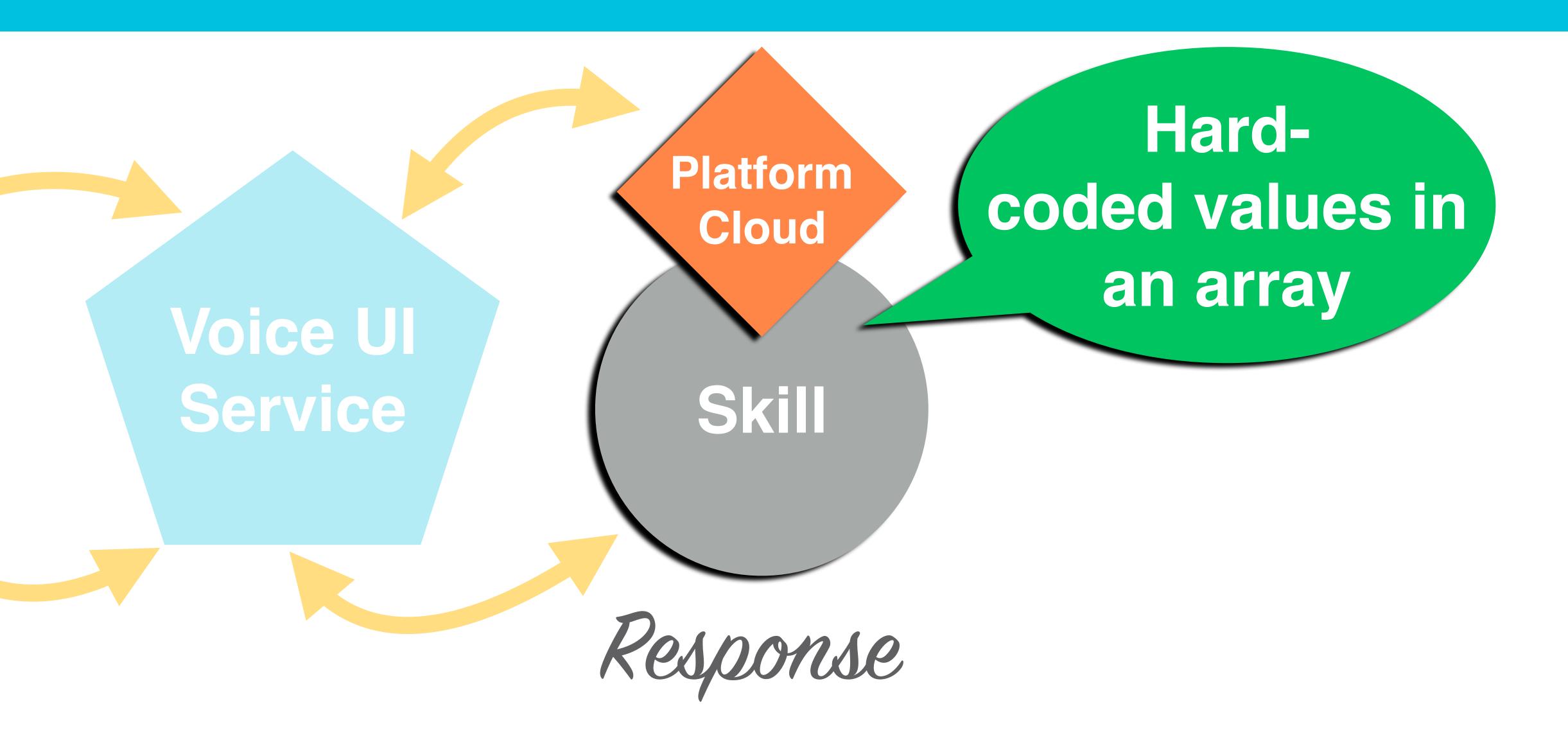
Webhook example

URL*	https://u 0c7e.cloudfunctions.net/	/factsAboutGoogle
BASIC AUTH	Enter username	Enter password
HEADERS	Enter key	Enter value
	Enter key	Enter value

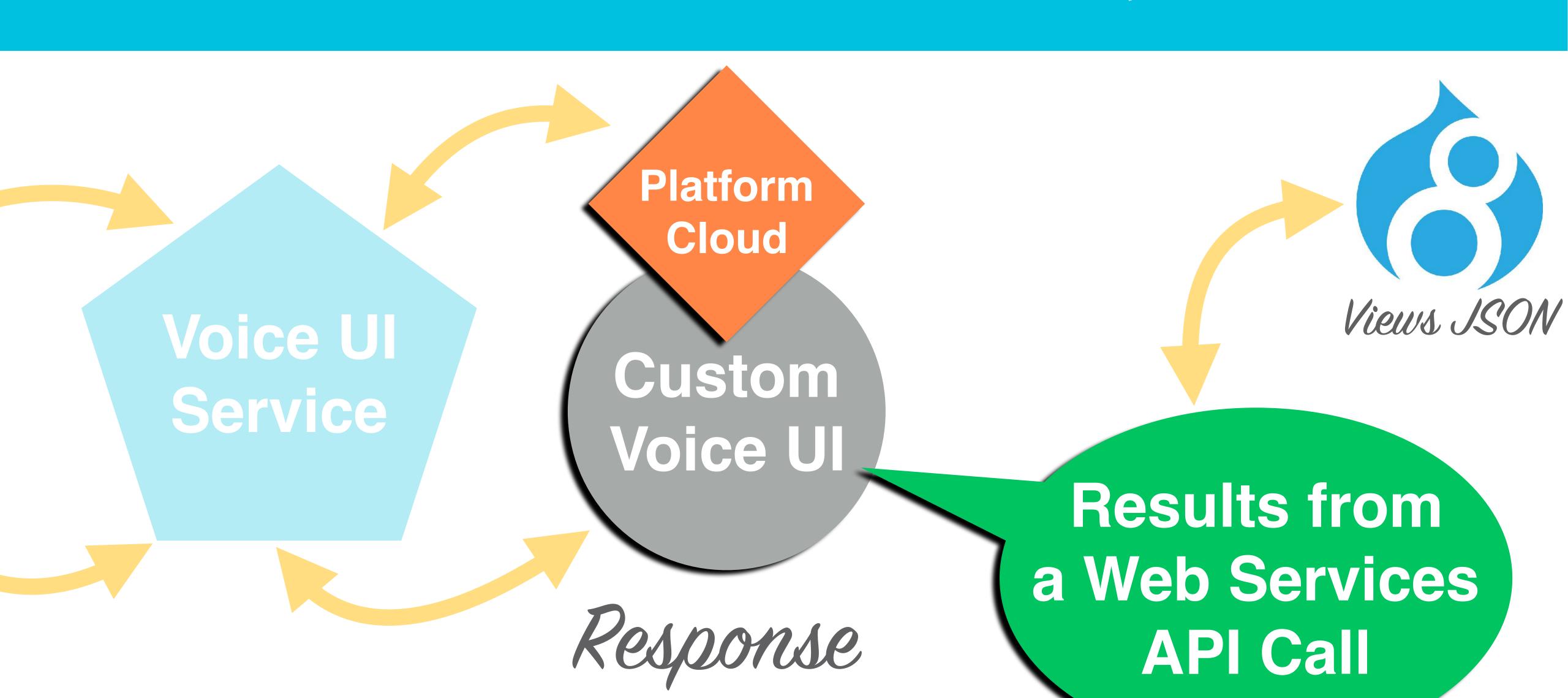
Add header

# ENDPOINT POSSIBILITIES

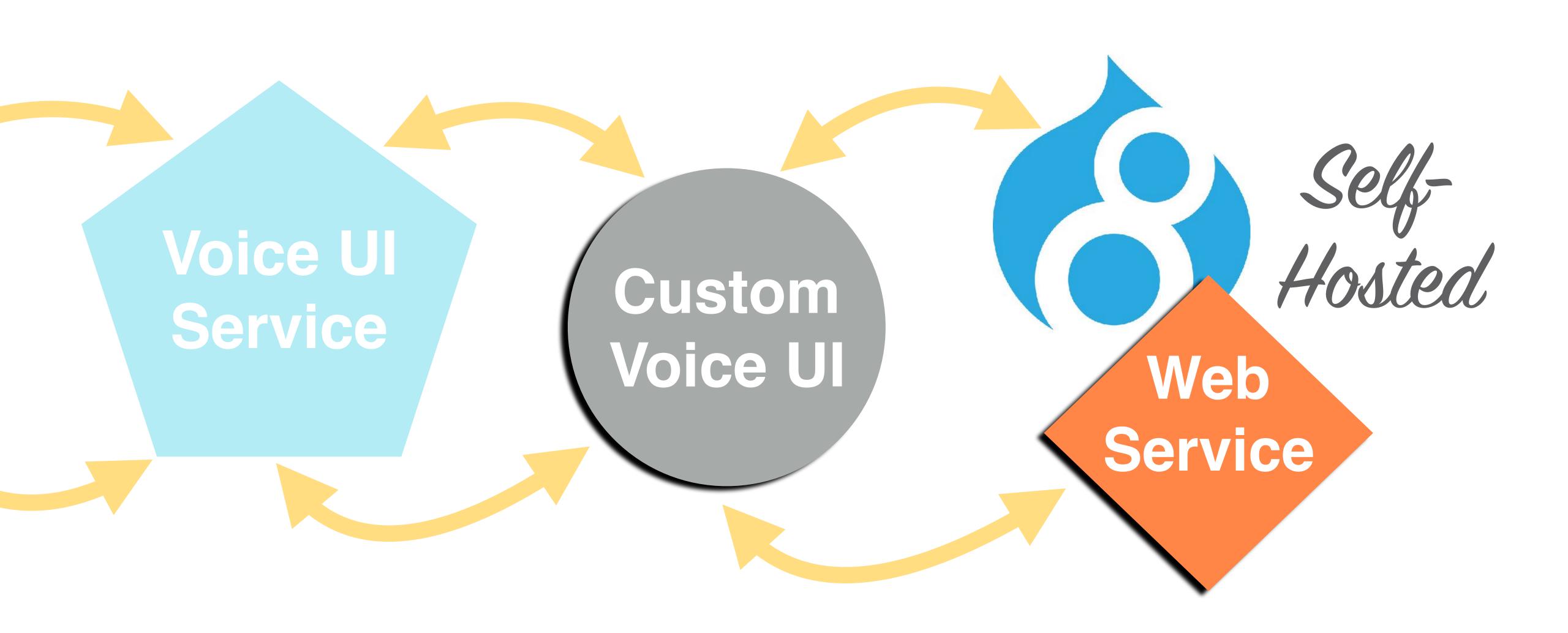
#### HARD-CODED VALUES



#### WEB SERVICES API CALL



### ALL DRUPAL



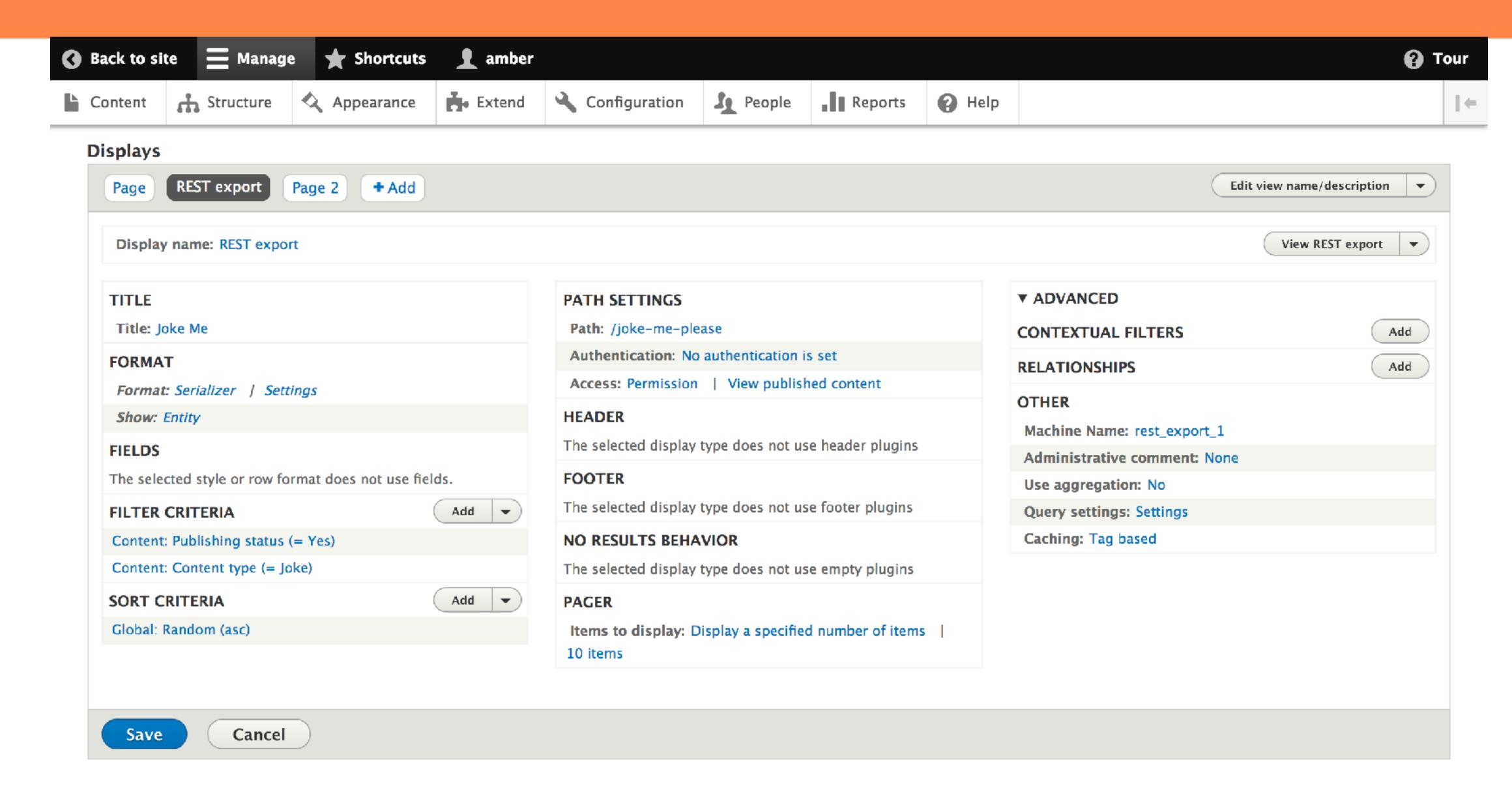
# THERE'S A MODULE FOR THAT!

#### ENDPOINT POSSIBILITIES

- \* DRUPAL INTEGRATION:
  - -VIEWS DISPLAY: REST EXPORT
  - -ALEXA PROJECT
  - -CHATBOT API PROJECT
  - -APIAI WEBHOOK PROJECT
  - -PHP SDK FOR API.AI



### VIEWS: REST EXPORT



#### ALEXA

#### Alexa



Version control Automated testing

Posted by meba on 6 April 2016, updated 27 June 2017



This project is not covered by Drupal's security advisory policy.

This is an integration module for Amazon Echo devices, allowing Drupal to respond to Alexa Skills Kit requests. Right now the module provides only a basic integration. Developers will need to create their own customized handler module (see the included alexa\_demo module for an example) to handle custom Alexa skills. Events integration is coming soon.



#### Installation

The installation is very easy, follow this step by step guide for a basic application



#### Maintainers for Alexa

hampercm - 10 commits last: 1 month ago, first: 1 year ago

View all committers View commits

#### Issues for Alexa

To avoid duplicates, please search b submitting a new issue.

Search

### CHATBOT API

#### Chatbot API



Version control Automated testing

Posted by gambry on 1 June 2017, updated 14 September 2017



This project is not covered by Drupal's security advisory policy.

In the era of Chatbots and Personal Assistants like Alexa, API.ai, Google Home, Wit.ai & Co. this module tries to create common layer serving Drupal content to any of these services.

In a common Drupal 'headless' scenario you want to serve the content of your website through as many service as possible, including but not limiting to Amazon Echo, a Facebook bot, custom devices using Api.Al, etc.

Normally you will require separated custom pieces of code for every chatbot/personal assistant platform protocol, duplicating effort and points of failure.

Using Chatbot API you write your code once without caring about handling the requests and responses.

Chatbot API by itself doesn't do anything. You should install it only if another module asks for it or you want to build your own integration driver.



#### Maintainers for Chatbot API

larowlan - 2 commits

last: 1 day ago, first: 6 days ago

gambry - 6 commits

last: 3 days ago, first: 3 months ago

View all committers View commits

#### Issues for Chatbot API

To avoid duplicates, please search before submitting a new issue.

Search

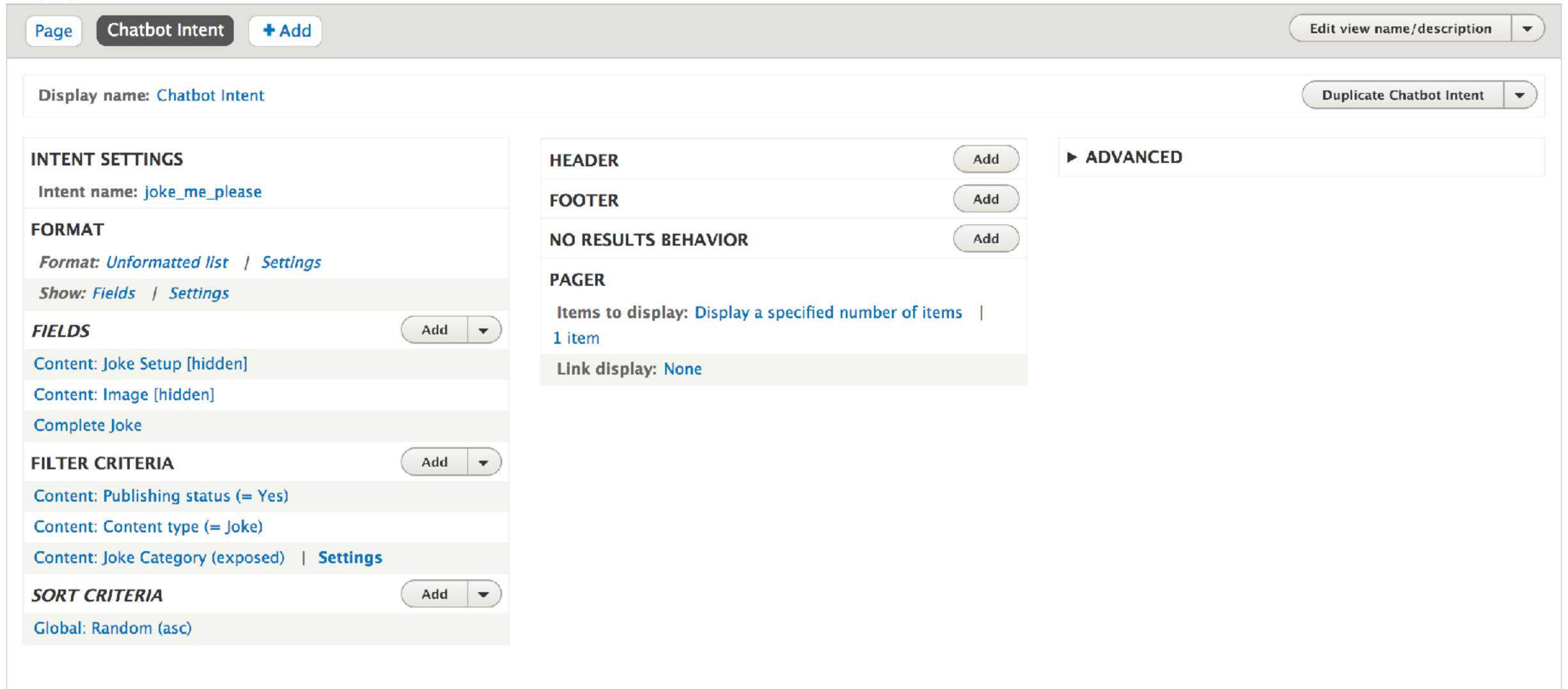
#### CHATBOT INTENT PLUGIN

```
core
                             namespace Drupal\fishjokes\Plugin\Chatbot\Intent;
modules <u></u>
▶ alexa
api_ai_webhook
                             use Drupal\chatbot_api\Plugin\IntentPluginBase;
                        5
chatbot_api
                        6
▼ ☐ fishjokes
  ▼ 🗀 src
                            ⊝/**
   ▼ 🗀 Plugin
                              * Plugin implementation of the 'choose_joke' Chatbot API Intent.
     ▼ □ Chatbot
       ▼ 🛅 Intent
          © ChooseJoke.php
                                @Intent(
          © TellJoke.php
                                   id = "choose_joke",
    🔤 composer.json
                                   label = @Translation("Choose Joke")
    fishjokes.info.yml
    ishjokes.module
                      13
  README.txt
                      14
profiles 🗀
                            15
sites 🗀
default
                      16
  ▶ ☐ files
                      17
    default.services.yml
                      18
    default.settings.php
    settings.php
                      19
  development.services.yml
                      20
                                   {@inheritdoc}
  example.settings.local.php
                      21
                                 */
  example.sites.php
                      22 of
                               public function process() {
  README.txt
themes
                                  // $term name = $this->request->getIntentSlot
                      23
vendor
                               csslintrc .
```

tes

### VIEWS: CHATBOT\_INTENT

#### Displays



### API.AI WEBHOOK

#### Api.Al Webhook



Version control

Automated testing

Posted by gambry on 21 June 2017, updated 18 September 2017



This project is not covered by Drupal's security advisory policy.

This module integrates your Drupal website with Api.Al Webooks, letting your Api.Al agents talk with you website, respond to Intents request and filling slots.

The integration is still basic. The module handles the request and triggers a Symfony Event which modules can subscribe to in order to add their logic.

Developers and Site builder may want to use Chatbot API module and take advantage of its Intents pluggable system in order to simplify the implementation of their Intents logic, as well as its chatbot\_api\_entities submodule to dynamically push Drupal content to Api.AI entities.

Basic and with custom HTTP headers authentications method are supported.





#### Maintainers for Api.Al Webhook

gambry - 2 commits last: 2 days ago, first: 1 week ago

View all committers View commits

Advanced search

#### Issues for Api.Al Webhook

To avoid duplicates, please search before submitting a new issue.

	Search
--	--------

### API.AI PHP SDK

#### Api.ai PHP sdk

```
packagist v0.2.5 downloads 1k/month
```

This is an unofficial php sdk for Api.ai and it's still in progress...

Api.ai: Build brand-unique, natural language interactions for bots,

#### Install:

Via composer:

\$ composer require iboldurev/api-ai-php

#### THANK YOU, MAINTAINERS!

- \* DRUPAL INTEGRATION:
  - -VIEWS DISPLAY: REST EXPORT
  - -ALEXA PROJECT
  - -CHATBOT API PROJECT
  - -APIAI WEBHOOK PROJECT
  - -PHP SDK FOR API.AI



# TESTING & PUBLICATION

#### TESTING



#### Simulator

talk to my test app

Okay. Here's the test version of my test app.

Welcome to Facts about Google! Do you want to hear about Google's history or do you want to hear about its headquarters?

history

Sure, here's a history fact. Google was founded in 1998. Would you like to hear another fact?

```
API.AI Snapshot - Created 9/20/17, 5:29 P
  Surface
                 Language
                  English - United St
   REQUEST
                  RESPONSE
     "conversationToken": "CiZ
      "debugLevel": 1,
```

"inputType": "KEYBOARD",

#### SUBMIT FOR PUBLICATION

- \* IT WILL BE THOROUGHLY TESTED
- \* EXPECT FEEDBACK WITHIN 1-2 DAYS
- \* ADDRESS FEEDBACK AND RE-SUBMIT!
- \* ONCE APPROVED, it's published!

### RECAP

- \* OVERVIEW OF VOICE PLATFORMS & OPPORTUNITIES
- \* DESIGNING A VOICE INTERFACE
- \* VOICE APP CONCEPTS
- \* ENDPOINT POSSIBILITIES & DRUPAL INTEGRATION

### FEEDBACK

- \* SESSION TITLE:
  GET STARTED WITH VOICE
  USER INTERFACES
- \* VISIT THE SESSION PAGE OF THIS CONFERENCE AND CLICK "EVALUATE"

Contact Amber Matz on Twitter @amberhimesmatz