

Google Home Final Presentation

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1 Overview

2 Execution Path

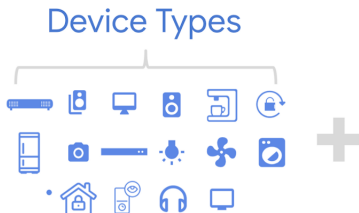
- Intents
- Entities
- Fulfillment

3 Live Demo



- Founded by Google in 2016
- Development through Google's developer console and Dialogflow
- Creating skills pretty easy
- No programming skills required

Device Types & Traits



Traits

Attributes - SYNC

Defines configuration options for traits.

States - QUERY & EXECUTE

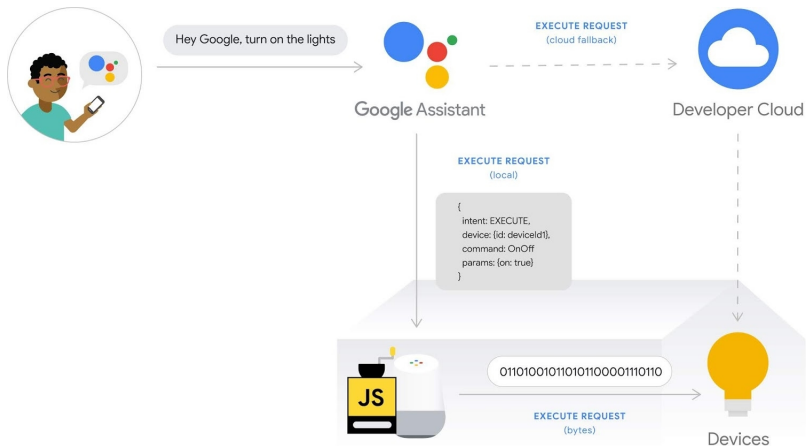
Defines the real-time state of the device.

Commands - EXECUTE

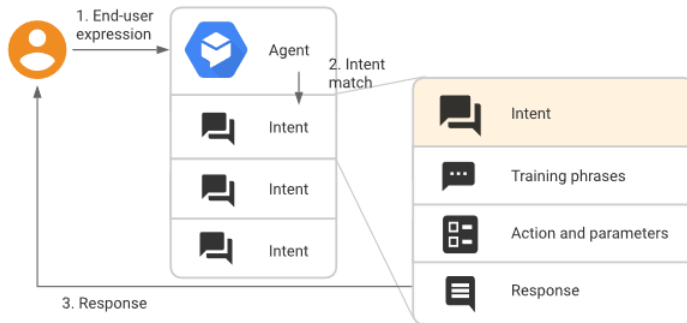
Used to change the state or perform a function on the device.

- Various device types (air purifier to yogurt maker)
- Capabilities of a device \Rightarrow traits

Execution Path



Intents



Intents cont'd

The screenshot displays the Google Dialogflow console interface for configuring an intent named "annotation differences".

Left Sidebar (Navigation):

- Dialogflow logo
- Project: OcSeminarGroup3
- Intents (selected)
- Entities
- Knowledge
- Fulfillment
- Integrations
- Training
- Validation
- History
- Analytics
- Prebuilt Agents
- Small Talk
- Docs
- Standard Free (Upgrade button)
- Support

Main Content Area:

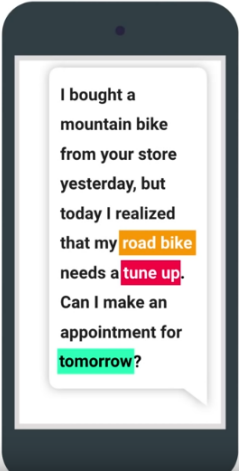
- Intent Name:** annotation differences
- Training phrases:** A list of phrases used to train the intent.
 - Phrase 1: Add user expression
 - Phrase 2: Explain the difference between a semi-automatic editing, manual editing, and automatic annotation
 - Phrase 3: What is the difference between semi-automatic editing, manual editing, and automatic annotation
- Action and parameters:** A section for defining the action and its parameters.
 - Action name: Enter action name
 - Table of parameters:
- Responses:** A section for defining the responses to the intent.
 - Response 1: Text Response
 - Response 1 content: Response from knowledge graph

Right Sidebar (Test Console):

- Try it now button
- Instructions: Please use test console above to try a sentence.
- Link: See how it works in Google Assistant

REQUIRED	PARAMETER NAME	ENTITY	VALUE	IS LIST
<input type="checkbox"/>	Enter name	Enter entity	Enter value	<input type="checkbox"/>

Entities



I bought a mountain bike from your store yesterday, but today I realized that my **road bike** needs a **tune up**. Can I make an appointment for **tomorrow**?

road bike
tune up
tomorrow
2017-11-09

System entities
@sys.time
@sys.date


Developer entities
@service-option

- Tune up
- Repair
- Tire change
- Upgrade

@bike-type

- Road bike
- Mountain bike
- Beach cruiser
- Racing bike
- Fixed gear bike
- Cross bike

Entities cont'd

 Dialogflow

DeSeminGroup3

en

+

Intents

+

Entities

+

Knowledge [beta]

+

Fulfillment

+

Integrations

+

Training

+

Validation

+

History

+

Analytics

+

Prebuilt Agents

+

Small Talk

+

> Docs

Standard Free

Upgrade

Support

NLP_tasks

SAVE

:


☒ Define synonyms ⓘ ☐ Regex entity ⓘ ☐ Allow automated expansion ☒ Fuzzy matching ⓘ

tokenization	tokenization
stemming	stemming
lemmatization	lemmatization
sentence boundary disambiguation	sentence boundary disambiguation
named entity recognition	named entity recognition
part of speech tagging	part of speech tagging, part-of-speech tagging
chunking	chunking
syntactic parsing	syntactic parsing
semantic role labeling	semantic role labeling
coreference resolutions	coreference resolutions, co-reference resolutions, co reference resolutions


Click here to edit entry

+ Add a row

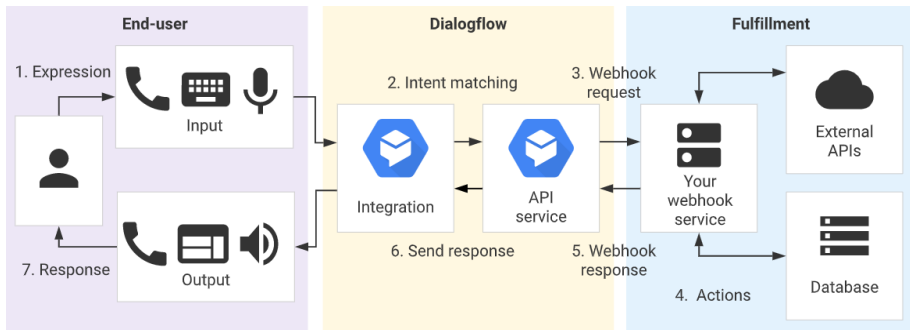
Try it now



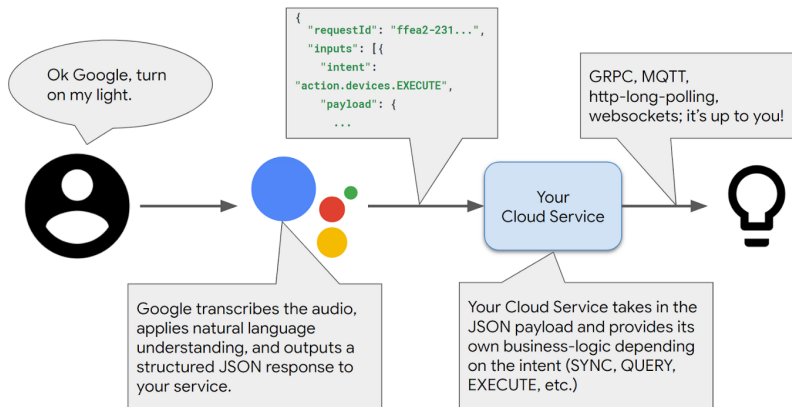
ⓘ Please use test console above to try a sentence.

 See how it works in Google Assistant. [↗](#)

Fulfillment



Communication



Live Demo

Thank you for your
attention!