Conv Agent

Agenda

- Problem Statement
- Solution approach
- Understand Dialogflow
- How to create intents
- How to create entities
- How to map intent to entities
- Requirements
- Conclusion

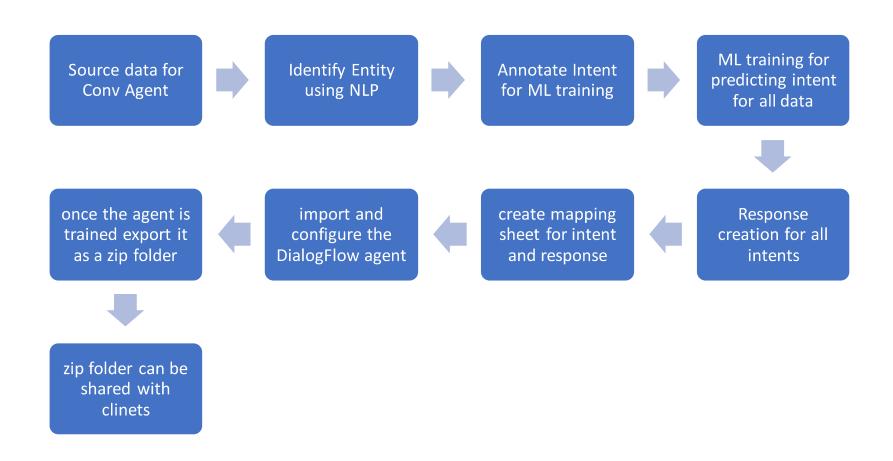
Problem Statement

 The new Ubuntu Dialogue Corpus consists of almost one million twoperson conversations extracted from the Ubuntu chat logs, used to receive technical support for various Ubuntu-related problems. The conversations have an average of 8 turns each, with a minimum of 3 turns.

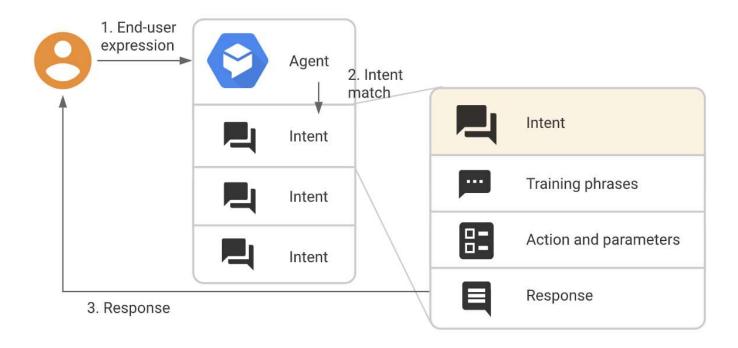
Solution Methods

- The entity, intent and the response need to be identified from the conversation corpus
- some sample data can be annotated and a machine learning model can be trained to predict the intents
- intents and response mapping process need to be completed
- dialog flow from Google account should be signed in
- the intent, entity and response need to be configured into dialog flow

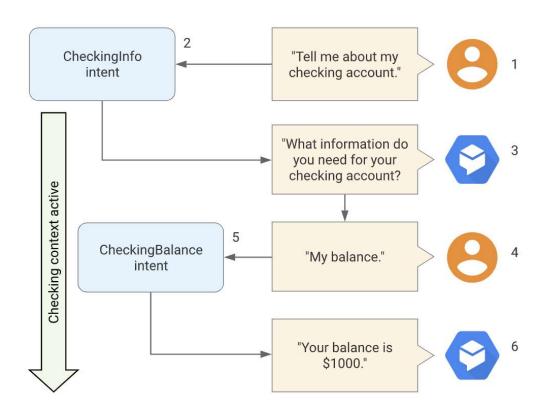
Intents and Entities using ML



Approach



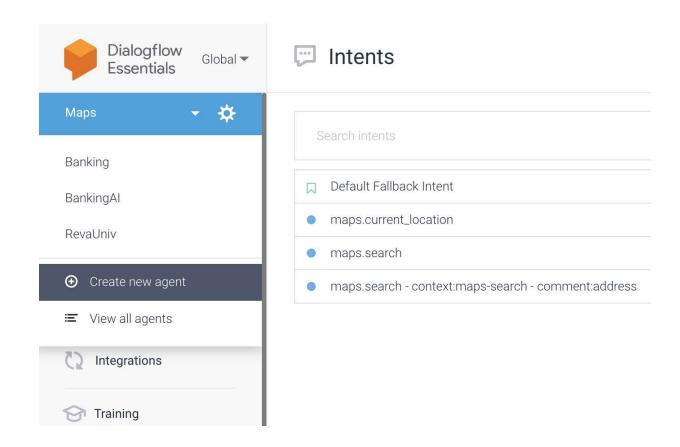
Using Context



Dialogflow

- Go to the <u>Dialogflow console</u>.
- Sign in. If you're a first-time user, then use your email to sign up.
- Accept the terms and conditions, and you'll be in the Dialogflow console.
- To create an agent, click Down arrow, scroll to the bottom of the menu, and click Create new agent

Screen



Defaults

- Dialogflow creates the following two default intents as a part of the agent:
- Default welcome intent greets your users.
- Default fallback intent catches all the questions that your bot doesn't understand.

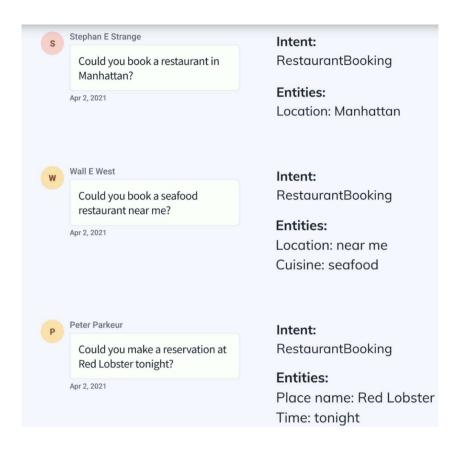
Intents

- An intent categorizes an end-user's intention for one conversation turn.
- For each agent, you define many intents, where your combined intents can handle a complete conversation.
- When an end-user writes or says something, referred to as an enduser expression, Dialog flow matches the end-user expression to the best intent in your agent.
- Matching an intent is also known as intent classification.

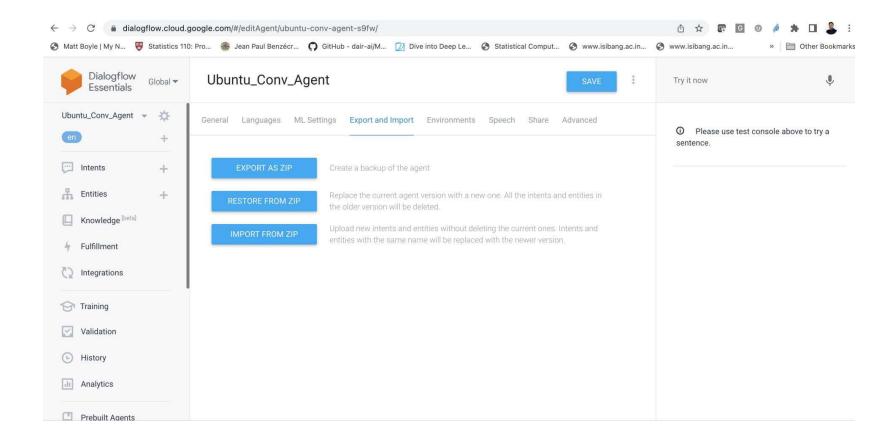
Entities

• An entity is basically the thing that is consistently talked about or refer to in the text.

Intents and Entities



Intents and Entities using ML



Requirements

- Entities and Intents well defined
- Google Account
- Phrases and further retraining words
- automated process to update the corpus
- larger the corpus the better will be the understanding
- Human in the loop for better response
- Need for language expert to bring empathy