

SAP Conversational AI

Let's build a (dummy) chatbot

IN AN HOUR



Agenda

- 1. Competitors
- 2. SAP CAI
- 3. \(\sum \) Capabilities
- 4. Intents & entities
- 5. Q Usage
- 6. Architecture
- 7. D Links
- 8. A Your turn!

Competitors

















Nov. 2014

Jan. 2015

Aug. 2017

Jan. 2018

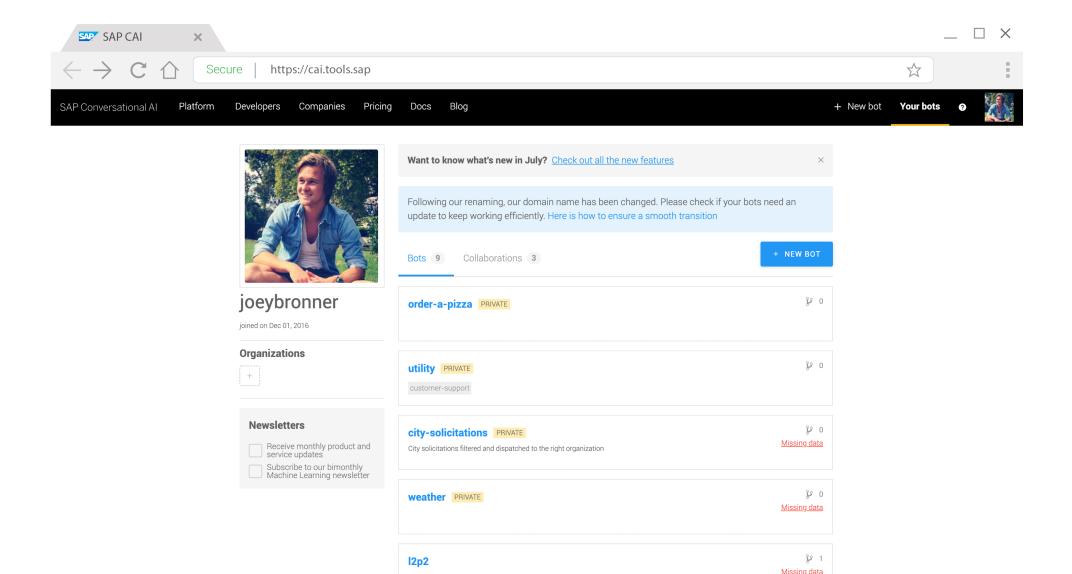








SAP Conversational AI (Recast.ai)



SAP CAI Capabilities

BUILD



TRAIN



Bot Builder

- Graphical user interface (also available as programmable API) to easily create bots and model a bot's conversational flow
- Allows the definition of skills including trigger conditions, requirements, and actions to control the conversation

NLP Engine

- Engine for natural language processing (NLP) and understanding (NLU)
- Receives a user expression and, based on prior training, extracts and returns actionable data such as recognized intents, entities (enriched with further data, such as geolocations), confidence scores, and user sentiments

CONNECT



MONITOR



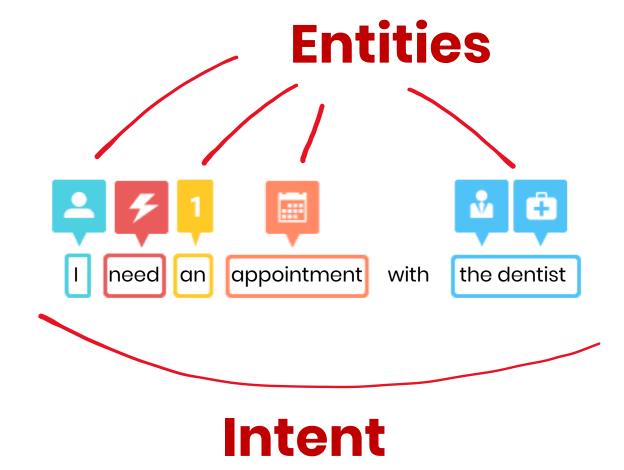
Bot Connector

- An adapter developed by SAP Conversational AI to simplify the integration into various communication channels (e.g. Webchat, Slack, Facebook Messenger)
- Translates user input and bot responses into the technical format required by the utilized communication channel
- Is usually transparently consumed within CAI, but can be entirely re-developed on-premise to gain full control of the bot runtime

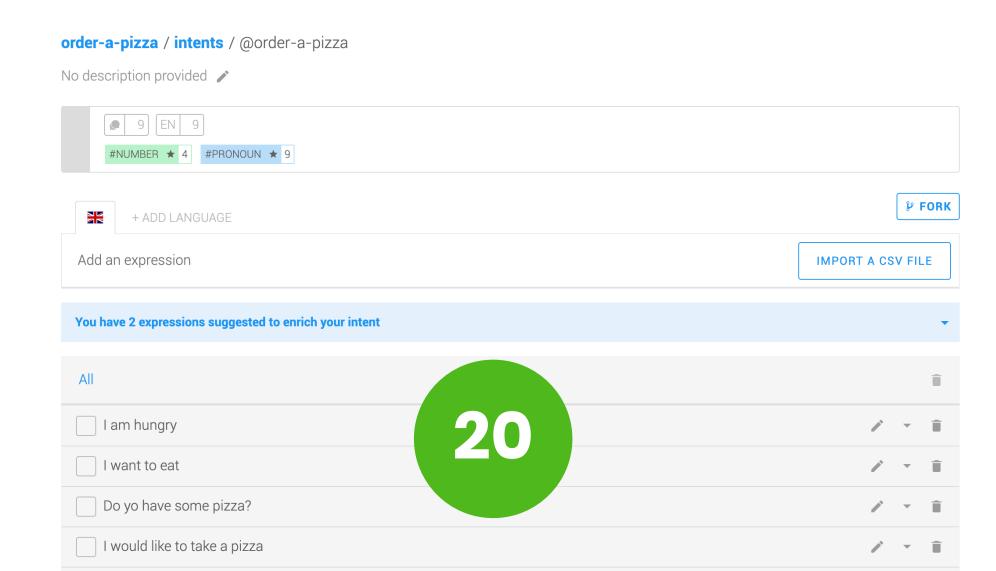
SAP Cloud Platform

 SAP's Platform-as-a-Service (PaaS) offering for creating new applications or extending existing applications in a secure cloud computing environment managed by SAP

Intent & entities







***** How chatbots are used?



Treat customer requests

Provide complex information through **an easy interface**

Reduce the number of calls to the client's call center



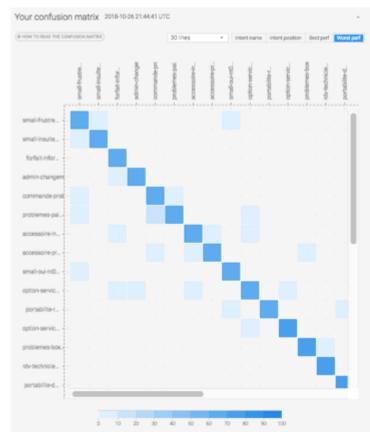
Training Analytics

Training Analytics helps you to build a great dataset for your bot.

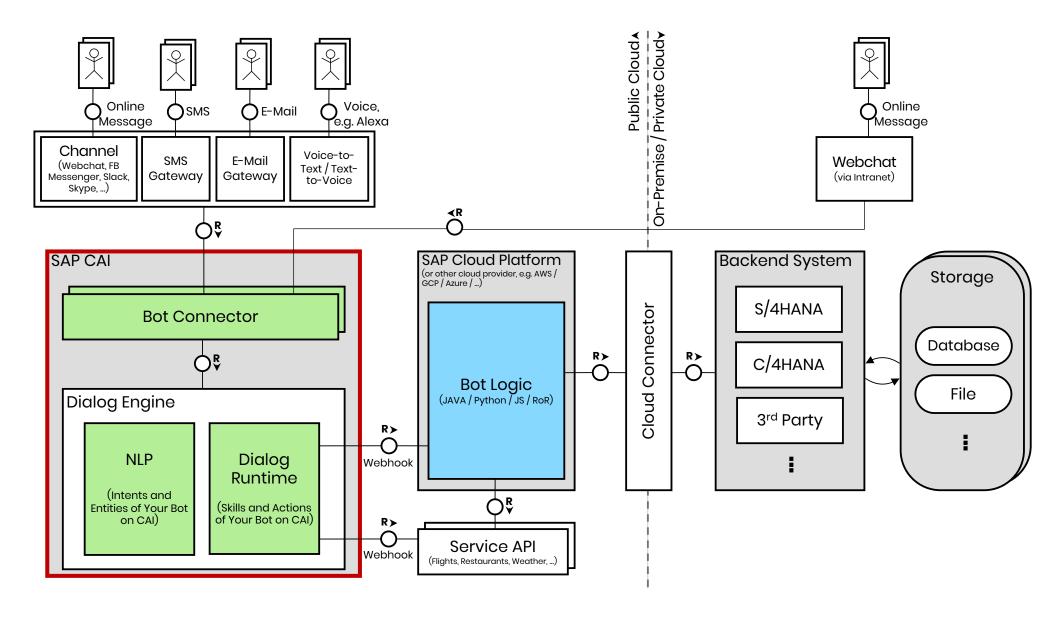
- Available for bots with at least 5 intents and at least 30 expressions per intent
- Measure the performance of your dataset
- Give you insights on how to improve your intent classification and your custom entity detection







Architecture



Some links

Documentation: https://cai.tools.sap/docs/

API: https://cai.tools.sap/docs/api-reference/

Tutorials: https://cai.tools.sap/blog/category/tutorial/

Technical support: https://answers.sap.com/tags/73555000100800001301





bit.ly/2kW9wZx