

SAP Conversational AI

Let's build a (dummy) chatbot

in an Hour



Agenda

- 1. Competitors
- 2.
 SAP CAI
- 3. \ Overview
- 4. Intents & entities
- 5. Q Usage
- 6. Architecture
- 7. PLinks
- 8. A Your turn!

© Competitors

















Nov. 2014

Jan. 2015

Aug. 2017

Jan. 2018

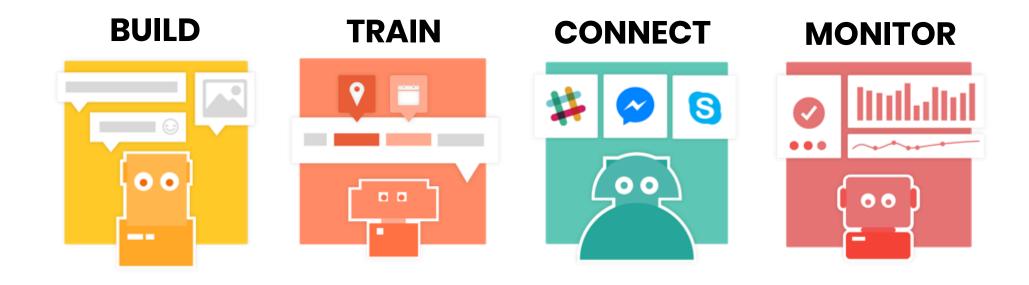








SAP Conversational AI (Recast.AI)



SAP CAI Components

SAP Conversational Al

 SAP CAI product (based on the acquisition of Recast.AI) that provides all the tools necessary to create chatbots and conversational applications

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 (potentially enriched with further data, such as geo-locations), confidence scores, and user sentiments

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
- Depends on the data provided by the NLP Engine to trigger adequate skills

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

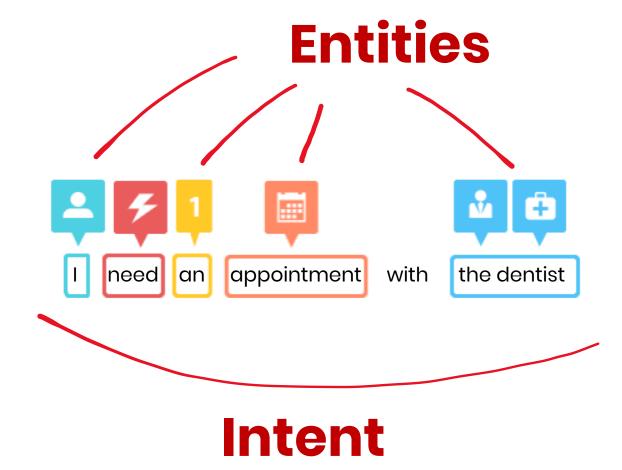
Bot Logic

- An application containing the bot's logic that is not managed by the Bot Builder as part of SAP Conversational AI
- Can be written in an arbitrary programming language, exposed as web API
- Receives the user expression and dialog state (e.g. memory) of the conversation and reacts with an appropriate response

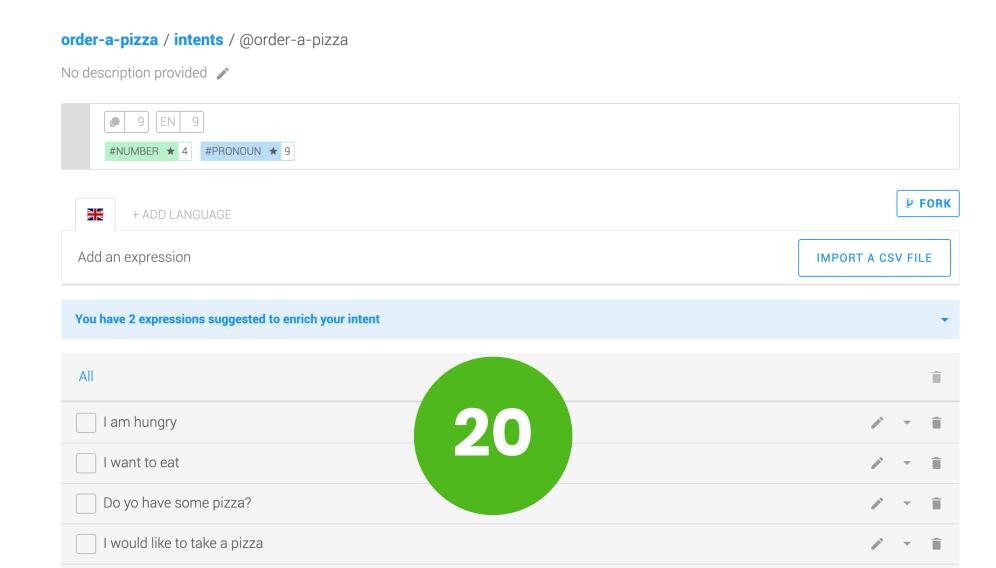
SAP Cloud Platform

 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



Define intents & 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



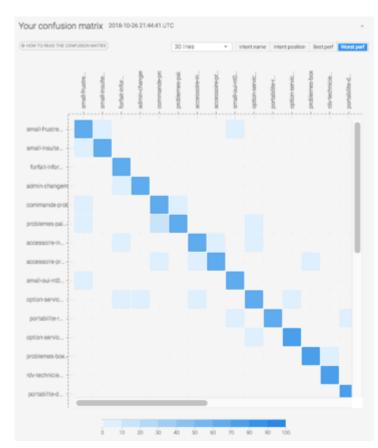
Training Analytics

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

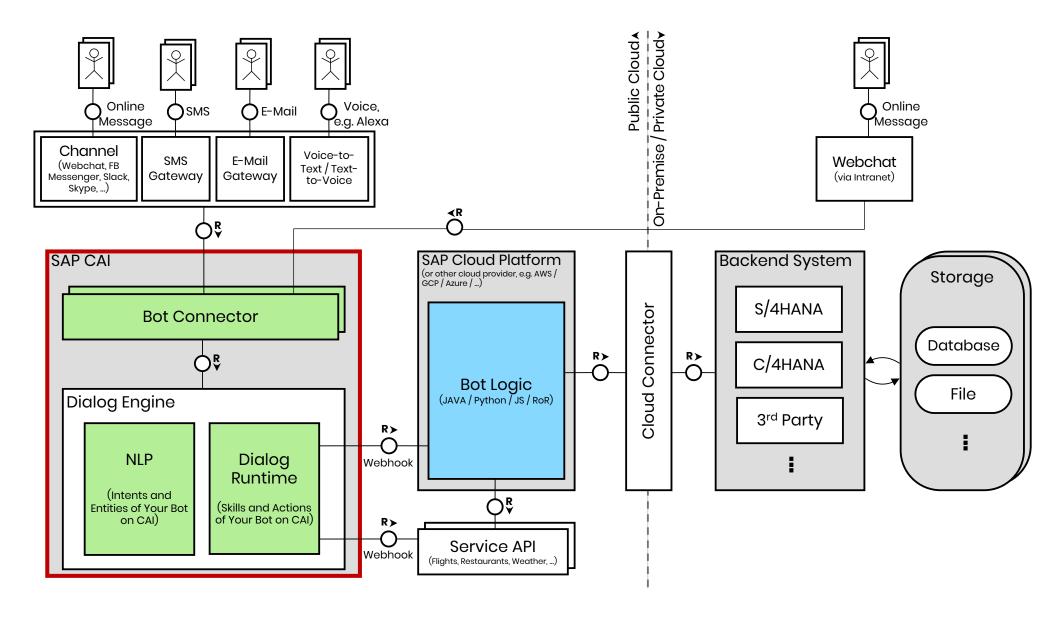
- Available for bots with at least 5 intents and at least 30 expressions per intent
- Measure the performance of your dataset
- Give you insights on how to improve your intent classification and your custom entity detection







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





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