

Part 8 - Create conversation components (Intents, Entities and Dialog)

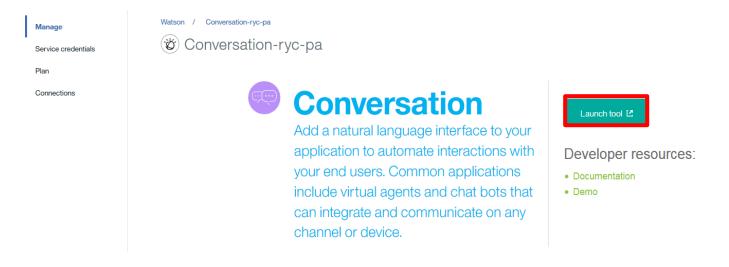
With the IBM Watson™ Conversation service, you can build a solution that understands natural-language input and uses machine learning to respond to customers in a way that simulates a conversation between humans.

In this lab we will learn how to create a Watson Discovery service, and upload a document to the service:

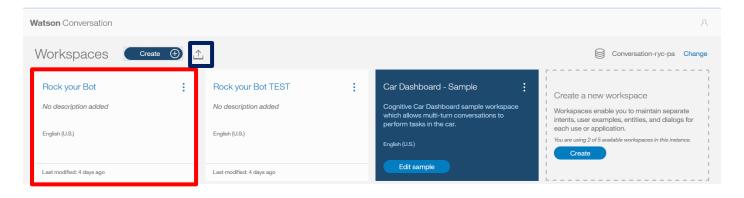
1. Go to conversation service on IBM Cloud (https://bluemix.net) and click on it



2. Click on Launch tool to open the conversation workspaces page



3. Click on your chatbot workspace





1. Adding a new user example to an existing intent – We will add a new machine model dishwasher_problem intent.

Up to this level, if we insert the following input: "I have a problem with my panel" - the bot recognize we have a problem, but doesn't recognize with what machine we have a problem with (because the machine type is not specified, and then it asks for the machine type). To associate the problem to the dishwasher, we will add it as a new user example for the dishwasher_problem intent.

2. Click on the arrow next to the intent #dishwasher problem



On the following window add the input "I have a problem with my panel" in add a new user example



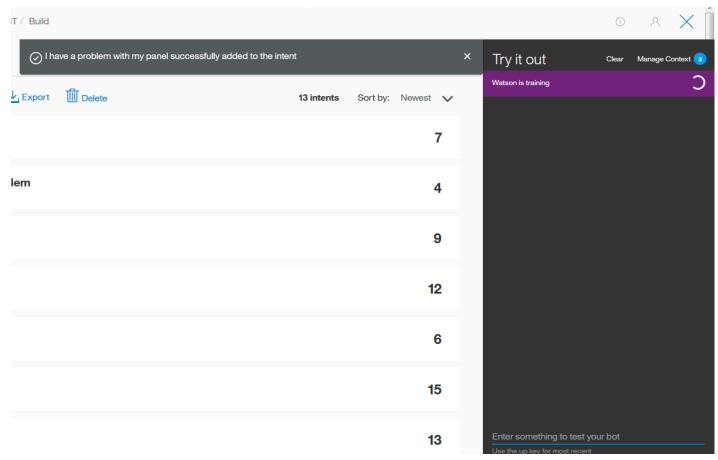
And then you can write the new example.

3. When adding the new example, if you open the conversation test window (clicking on the icon)

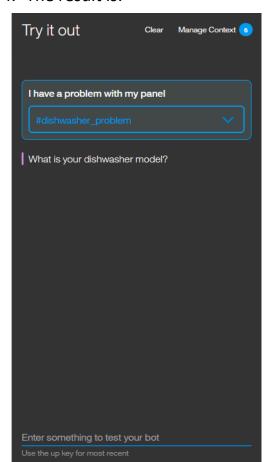




Watson will learn the new user example, so we can use it on our conversation flow:



4. The result is:

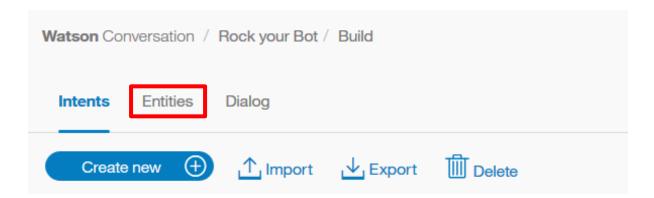


Pay attention!!

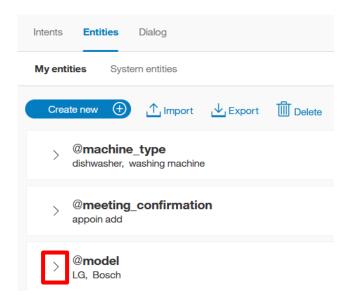
Watson understands that the new input *I have* a *problem with my panel* is a problem related to dishwasher and automatically asks for your dishwasher model



- 5. Adding a new value to an existing entity We will add a new machine model model entity. Up to this level, if we insert the input "Samsung" to the question "What is your machine model" the bot doesn't recognize we have a problem with this model. To associate the new model to our supporting models list, we will add it as a new value to the model entity.
- 6. Click on entities next to intents



7. Click on the arrow next to the entity @model



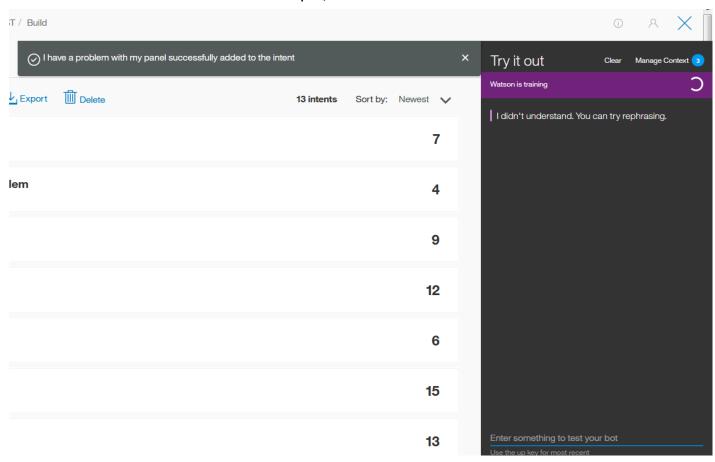
8. On the following window add the value "Samsung" in add a new value



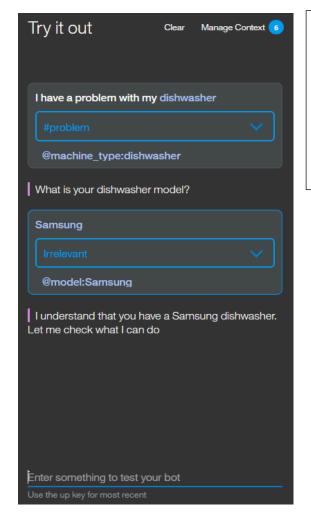
You can add synonyms to each entity you add, so the conversation service will recognize the synonyms as well as the value you insert.



Watson will learn the new user example, so we can use it on our conversation flow:



9. The result is:



Pay attention!!

Watson understands that the new value **Samsung** is a machine model and will search for results with the same machine model