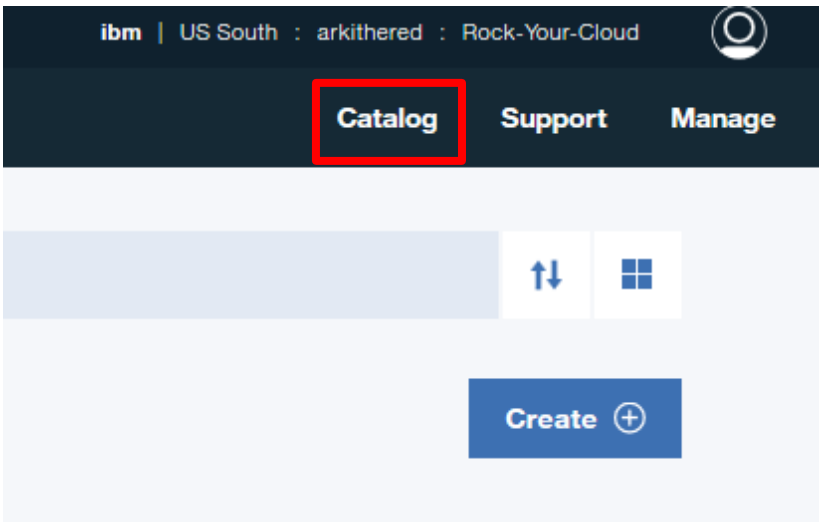
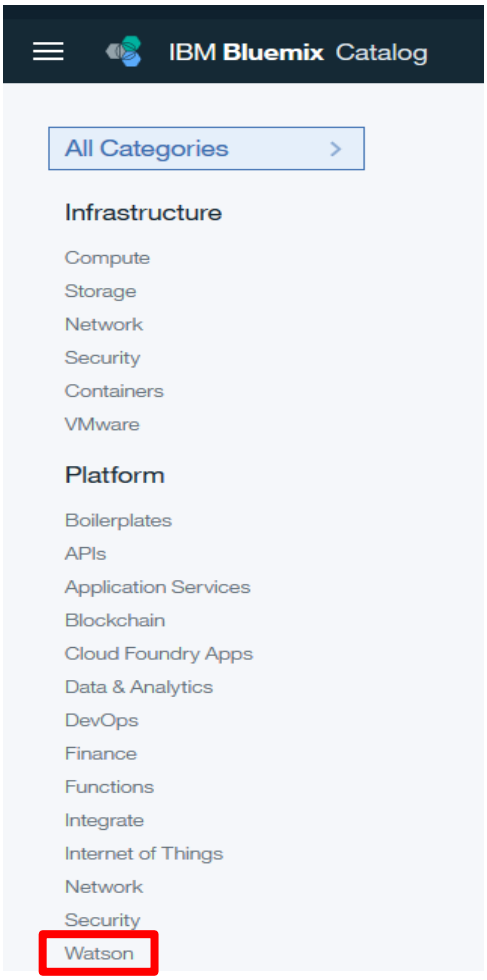
Part 3 - Create a Watson Conversation Service

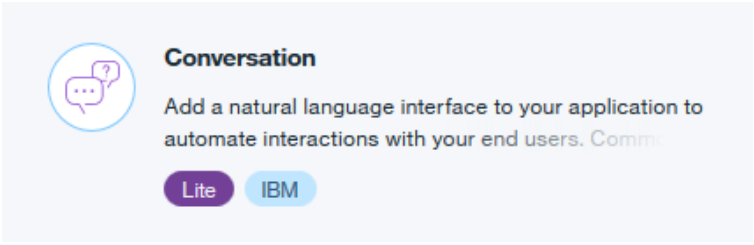
With the IBM Watson™ Conversation service, you can build a solution that understands natural-language input and uses machine learning to respond to customers in a way that simulates a conversation between humans.
In this part, we will learn how to create a Watson Discovery service, and upload a document to the service:

1. **Go to IBM cloud homepage** in bluemix.net and **press** on catalog.

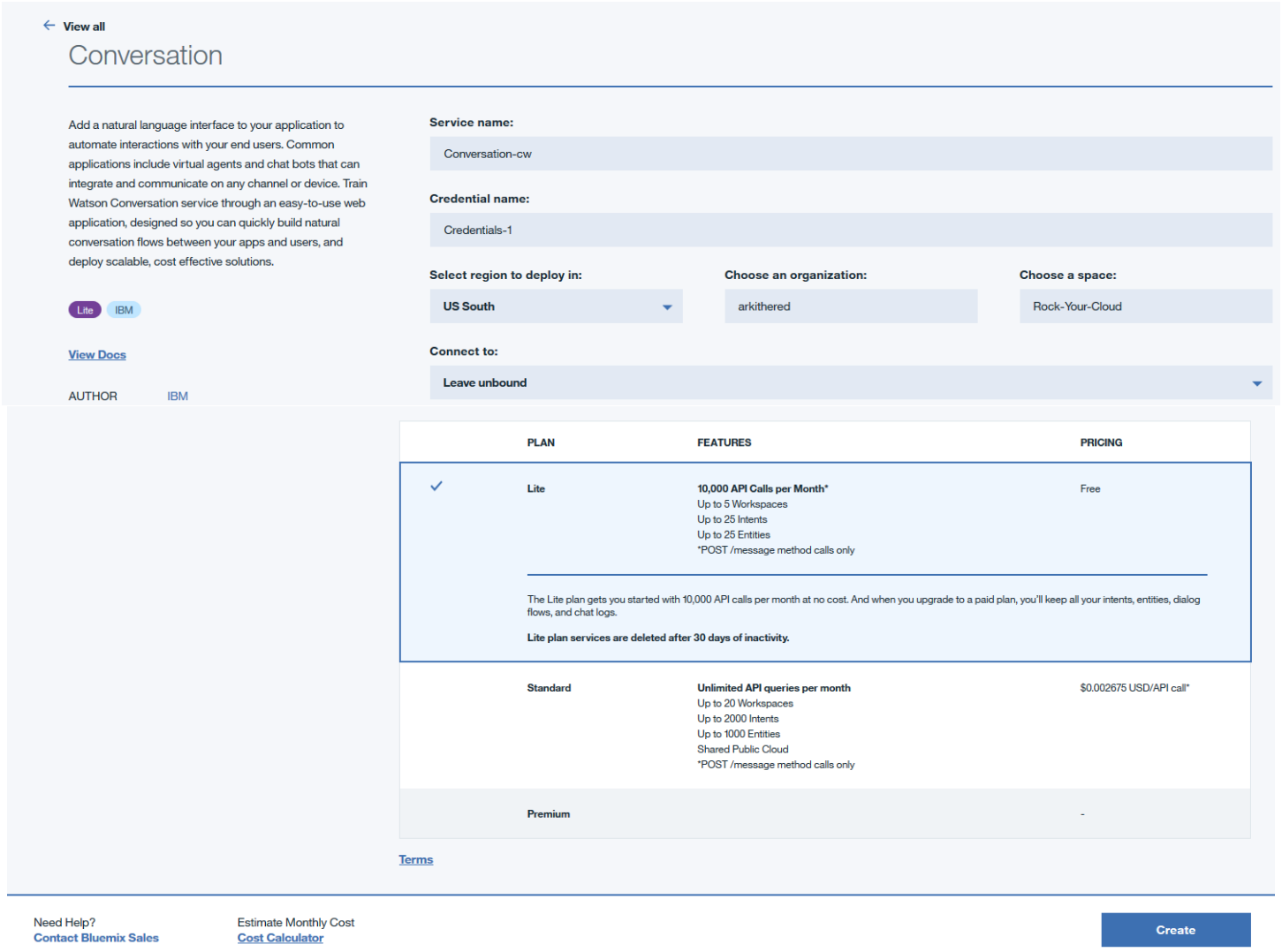


2. On the menu on the left side, **click** Watson and **choose Conversation**.



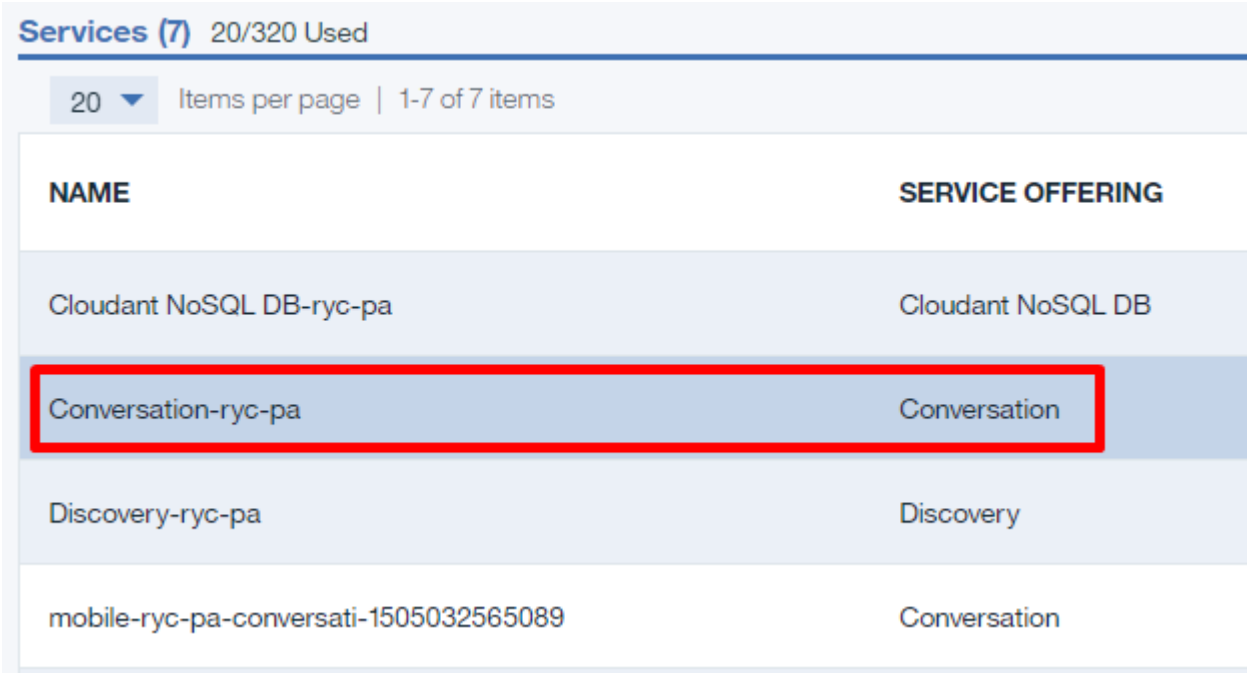


3. You will see the following window:

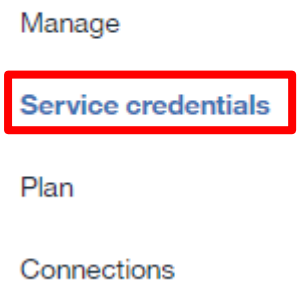


4. In the field **service name** choose a meaningful name for your service.
   - Select the region your app is running on.
   - Choose your organization and your space.
   - Choose your pricing plan, **Lite is the default**, choose it.
   - Click **Create**.

5. If you are inside the service page go to the next step ,if not **scroll down** to see the services you created and **click** on the "conversation" service.

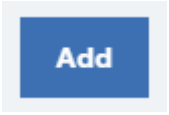


6. On the left menu **click** on "Service credentials".

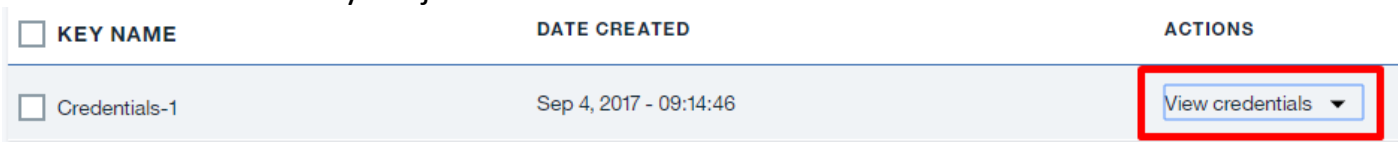


7. If you don’t have default credentials so make new by **clicking** on the "New credentials" button located at the right side of your screen.

8. **Click** on "Add" button.



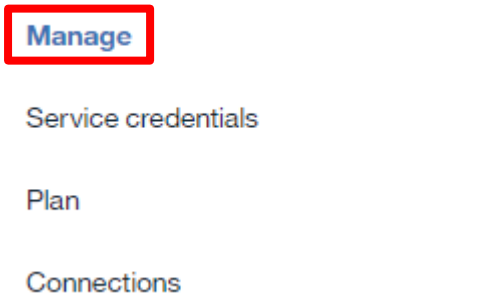
9. To see the credentials your just added **click** on the "view credentials".



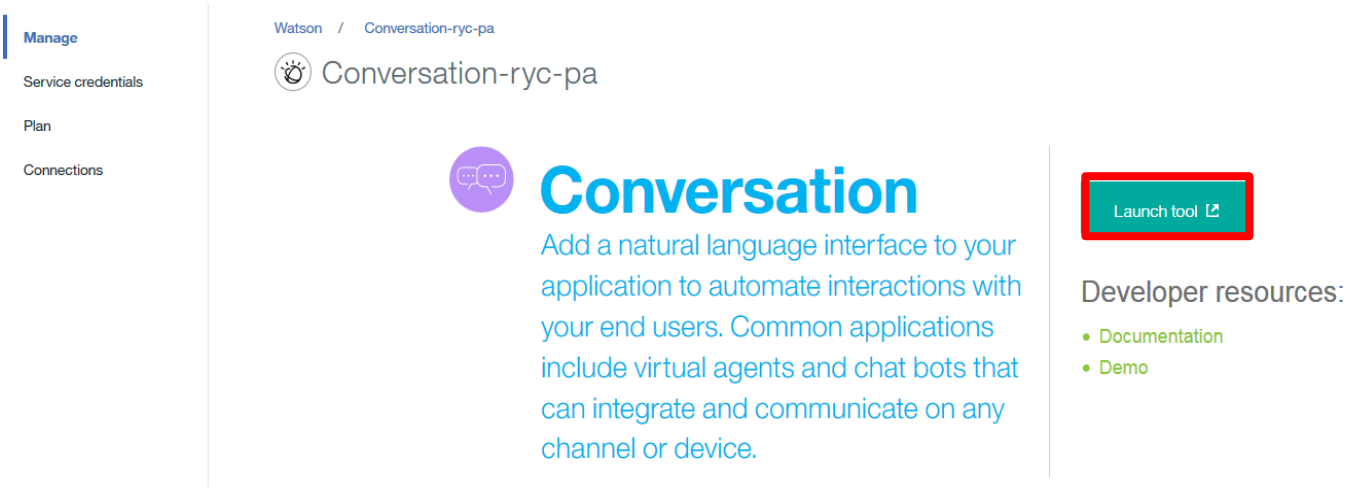
10. **Copy** the "Username" and "Password" and **save** them inside the CheatSheet.txt as "conversationUserName" and "conversationPassword".

```
"username": "[redacted]",
"password": "[redacted]"
```

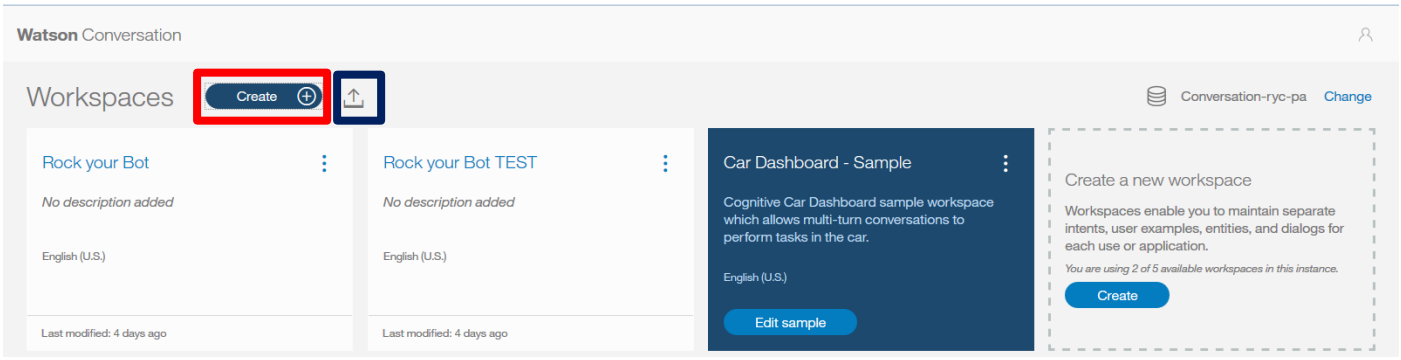
11. Now **Click** on the "Manage" option on the left menu.



12. Click on **Launch tool**:

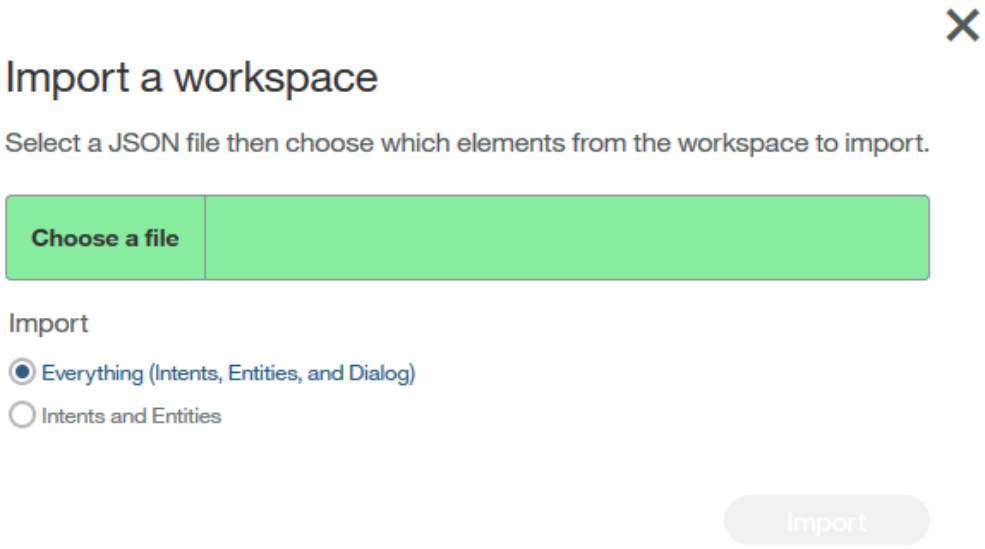


13. Clicking launching tool will open the discovery service homepage. In this homepage, you can manage and create workspace. Every workspace includes the environment to create a bot.



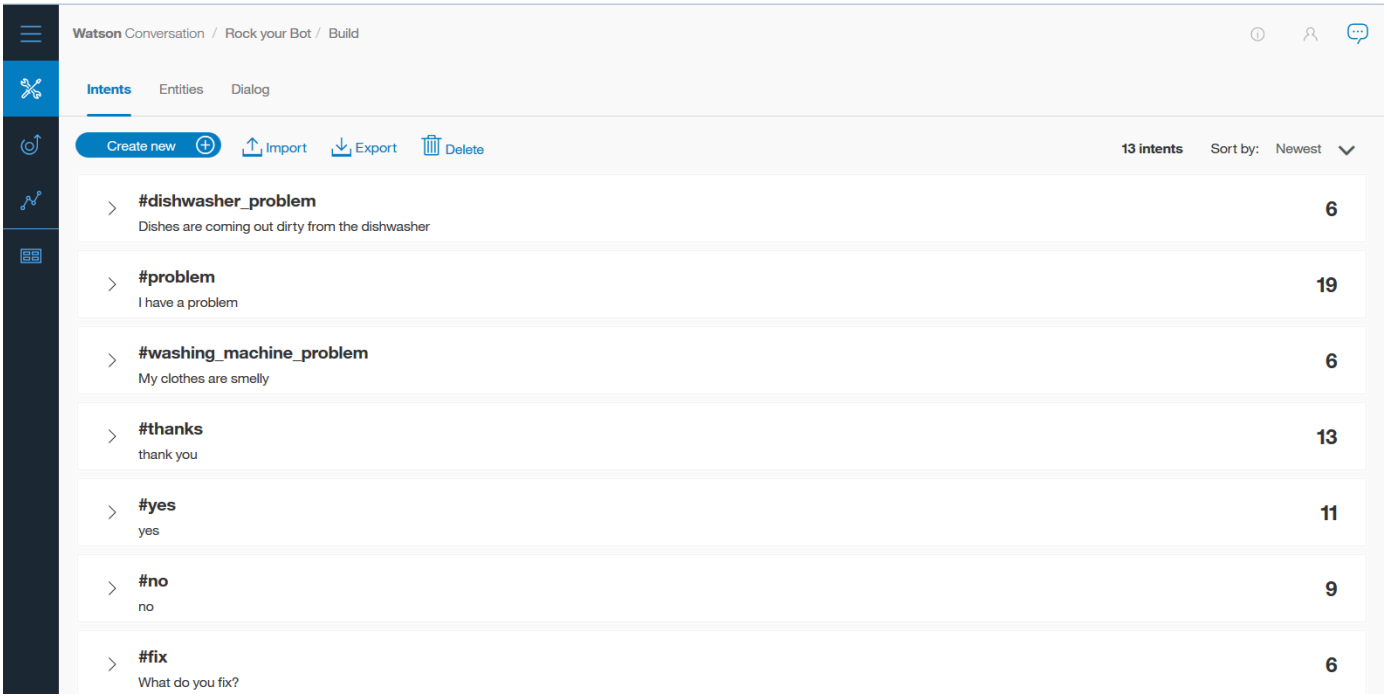
In red is where you create a new blank workspace.
In blue is where you **import** a workspace. **Click on the icon** 

14. On the following screen, click on **choose a file** to import the workspace JSON file. (you downloaded the JSON file and it's located under ***files to upload***, under the name ***conversation-workspace.json***, on the lab's git: https://git.ng.bluemix.net/talne/ryc-2017-pa). Choose **Everything (Intents, Entities, and Dialog)** to import all the components.



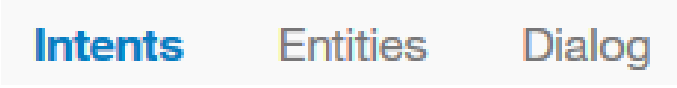
Click **Import**.

15. You will automatically be forwarded to this screen:



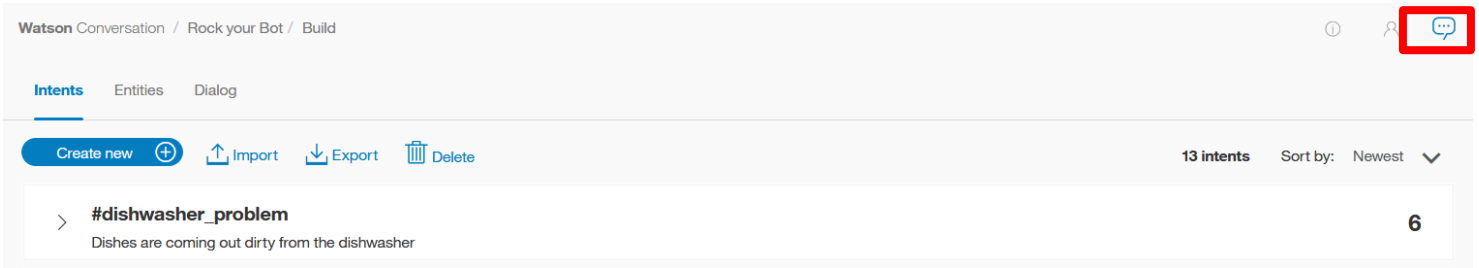
16. On this screen, you can see few major things:

- Intents, Entities and Dialog line – This is the main 3 components you need to create a bot.
  Intents - Goals that you anticipate your users will have when they interact with the service. Define one intent for each goal that can be identified in a user's input. For example, you might define an intent named store_hours that answers questions about store hours. For each intent, you add sample utterances that reflect the input customers might use to ask for the information they need, such as, "What time do you open?"
  Entities - An entity represents a term or object that provides context for an intent. For example, an entity might be a city name that helps your dialog to distinguish which store the user wants to know store hours for.
  Dialog - Use the dialog tool to build a dialog flow that incorporates your intents and entities. The dialog flow is represented graphically in the tool as a tree. You can add a branch to process each of the intents that you want the service to handle. You can then add branch nodes that handle the many possible permutations of a request based on other factors, such as the entities found in the user input or information that is passed to the service from your application or another external service.

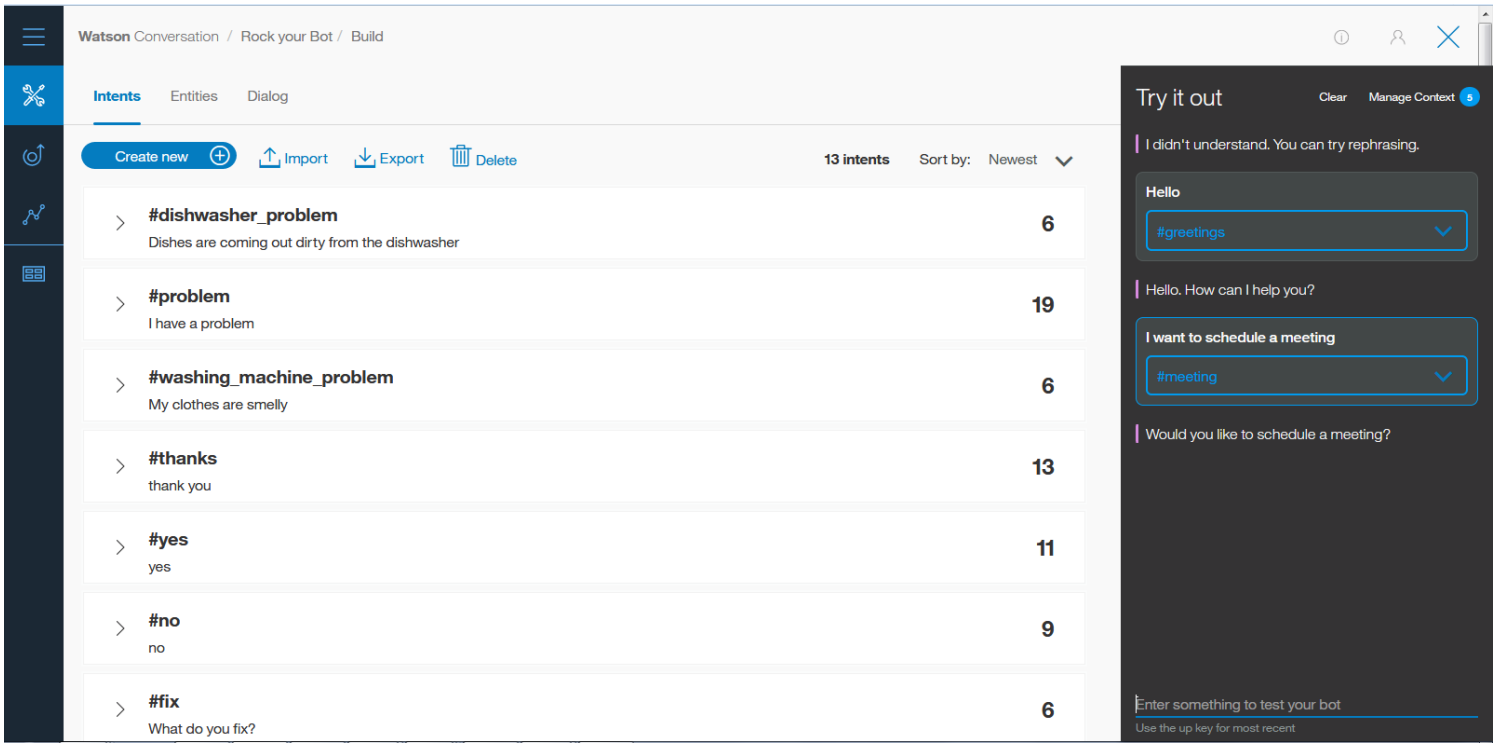


The one that highlighted in blue is the component you are working on right now.

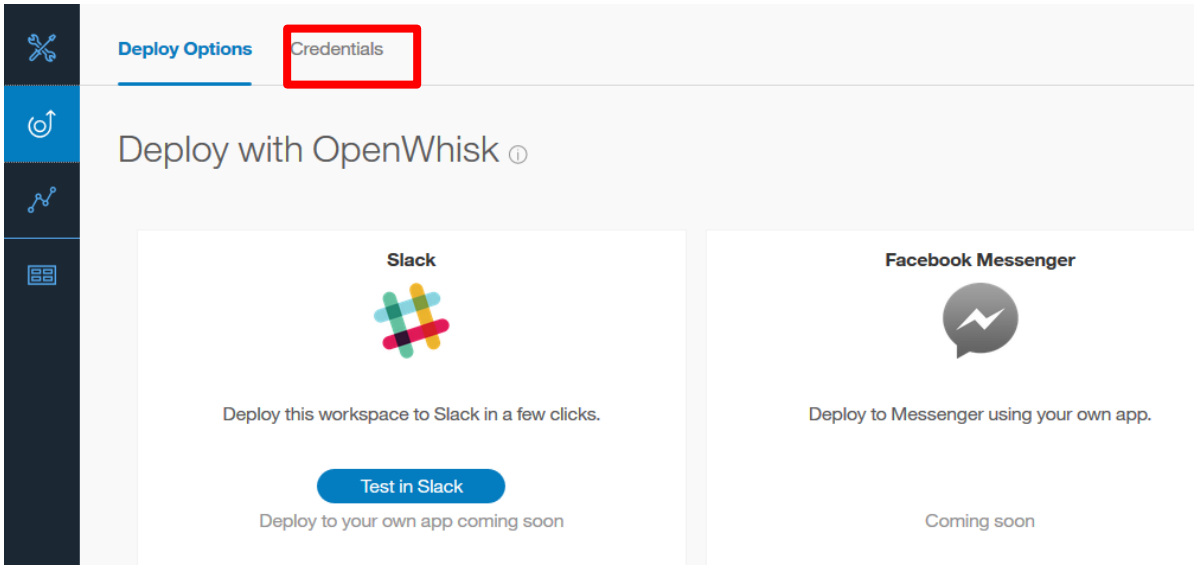
17. After clicking **import** you can start working with your bot. You can test the conversation by clicking on the icon,  , on the top right screen:



It will open the conversation section, it will look something like that:



18. Now we will take our workspace ID to use it in further steps in the lab. On this screen click on the **deploy icon**.  In this window click on **credentials**.



19. Under the credentials tab, take the workspace ID and **save** it in your CheatSheet.txt under " conversationWorkspaceID".