

# **UiPath ICCA**

Intelligent Customer Communication Automation

Submission to #UiPath #PowerUp 2019

@ABeam Consulting (Vietnam)

# **About UiPath ICCA**

INTELIGENT CUSTOMER COMMUNICATION AUTOMATION

- Automation First: smoothen the communication with customers.
- Artificial Intelligence: using state-of-the art Language Understanding Intelligent Service (LUIS).
- Salesforce Integration: facilitating Open Cases in Salesforce Lightning Platform.
- Automatic Classification: new cases and existing cases in Salesforce.

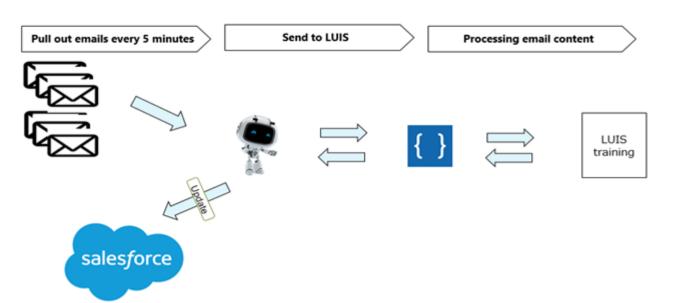




### **ICCA OVERVIEW**

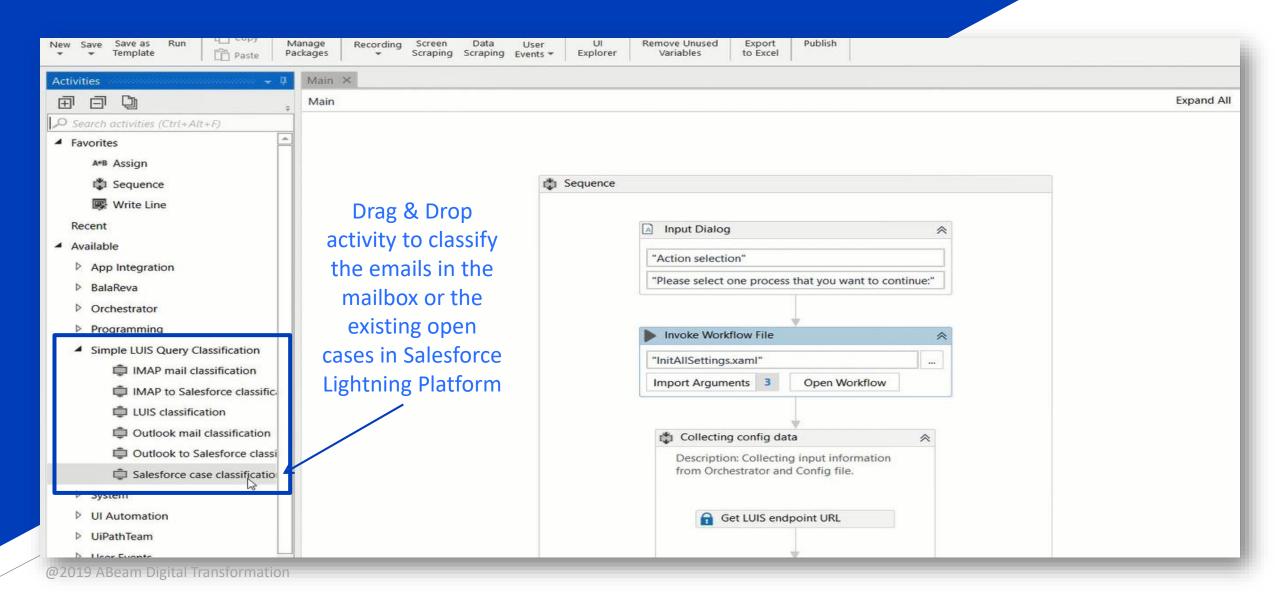
#### INTELIGENT CUSTOMER COMMUNICATION AUTOMATION

Using UiPath combines with LUIS (Language Understanding Intelligent Service) to create a robot who can understand emails content and separates them to related categories in Salesforce or CRM Database.

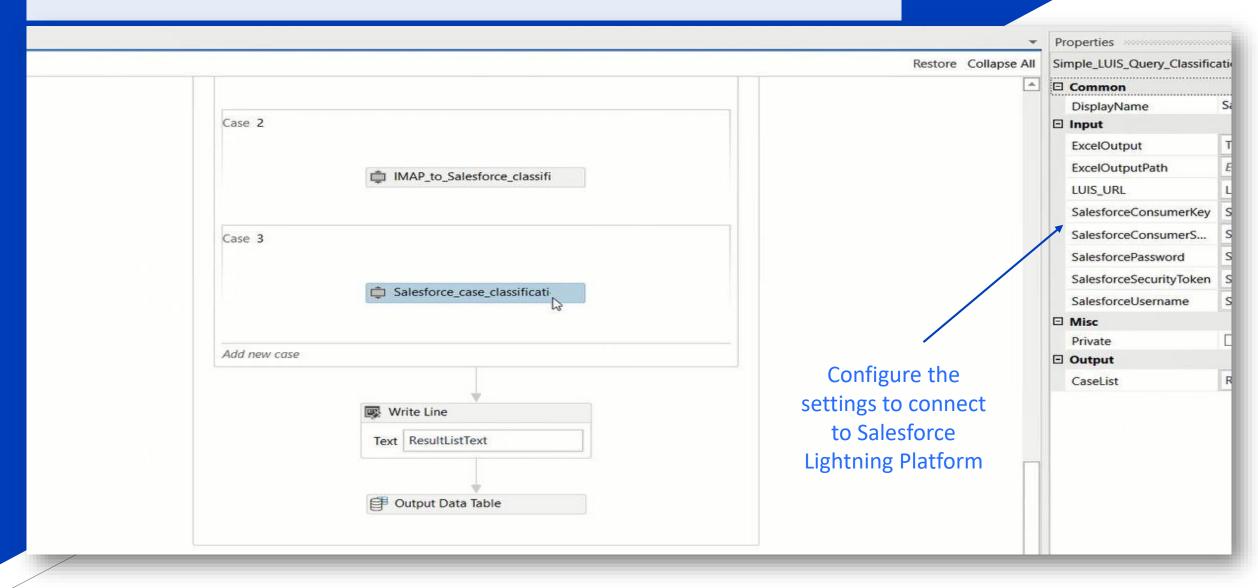




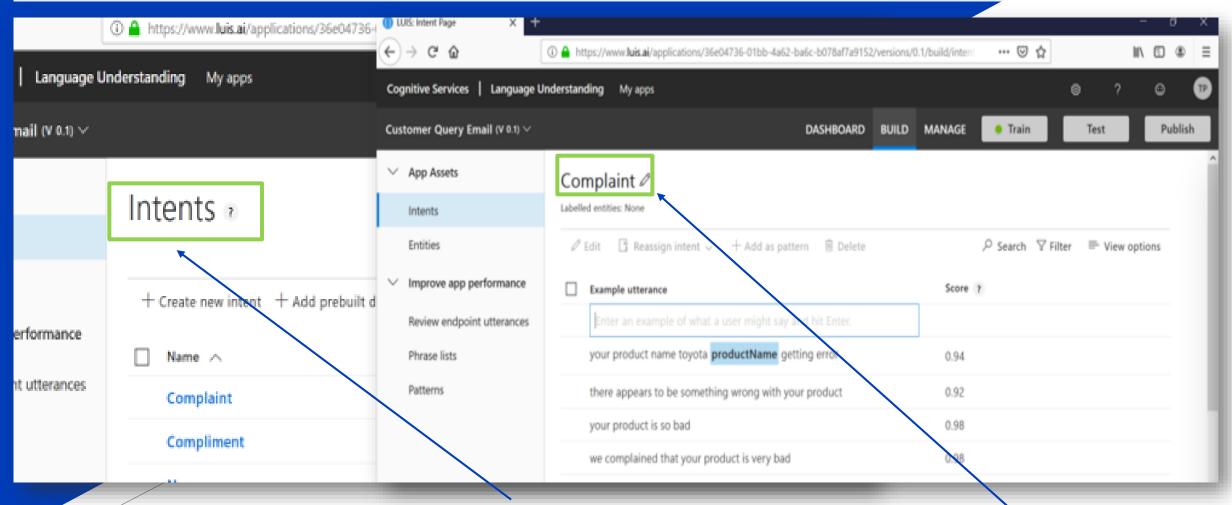
## **ICCA:** UiPath Custom Activity (1/2)



## **ICCA:** UiPath Custom Activity (2/2)

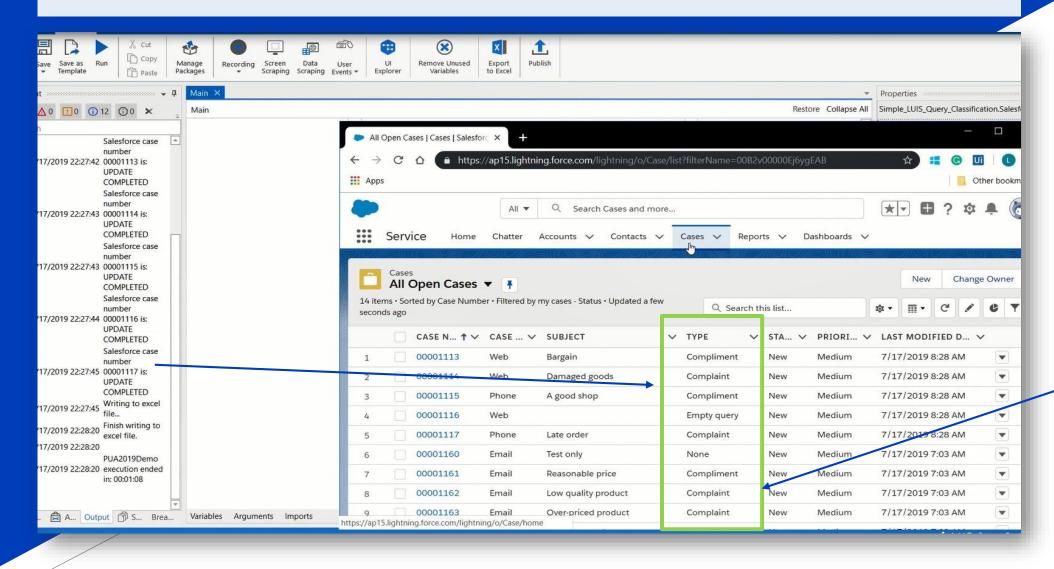


# ICCA: Trained using Language Understanding Intelligent Services



- The first step is by making a list of the intents that your application can resolve
- After identifying the intents, then create sample utterances that LUIS needs to map to your intents.

## ICCA: UiPath Robot updated Salesforce Cases



After getting the response from the Language Understanding Service, the Robot will update the corresponding open cases in Salesforce Lightning Platform



### **ICCA** FEATURES

#### INTELIGENT CUSTOMER COMMUNICATION AUTOMATION

#### **CLASSIFY EMAIL & OPEN SALESFORCE CASES**

- Connect to your company mailbox.
  - Get all the new emails and send requests to the LUIS.
  - Update the Type of the case in Salesforce Open Case: whether the customer sent a complaint that needs to handle with care or customer sent a compliment or questionrelated. Correctly categorize inquiries from the customers to help the Customer Service team to deliver better Customer Experiences.

#### **CLASSIFY EXISTING SALESFORCE CASES**

- Connect to the existing Open Cases in Salesforce Lightning Platform.
  - Send requests to LUIS to classify the cases.
  - Update the Type of the case in Salesforce Open Case: whether the customer sent a complaint that needs to handle with care or customer sent a compliment or questionrelated. Correctly categorize inquiries from the customers to help the Customer Service team to deliver better Customer Experiences.

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# ICCA - LUIS Integration Language Understanding Intelligent Service

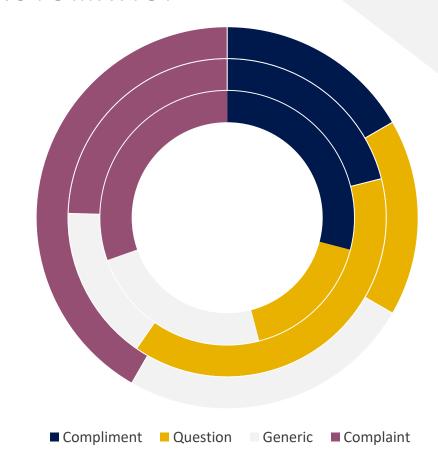
INTELIGENT CUSTOMER COMMUNICATION AUTOMATION

Robot composes the request based on email subject & email text.

Robot sends the request to LUIS.

Robot gets back the response in which the email is classified into defined categories: Compliment, Complain, Generic or Question.

The Language Understanding Service can be further trained with additional data.



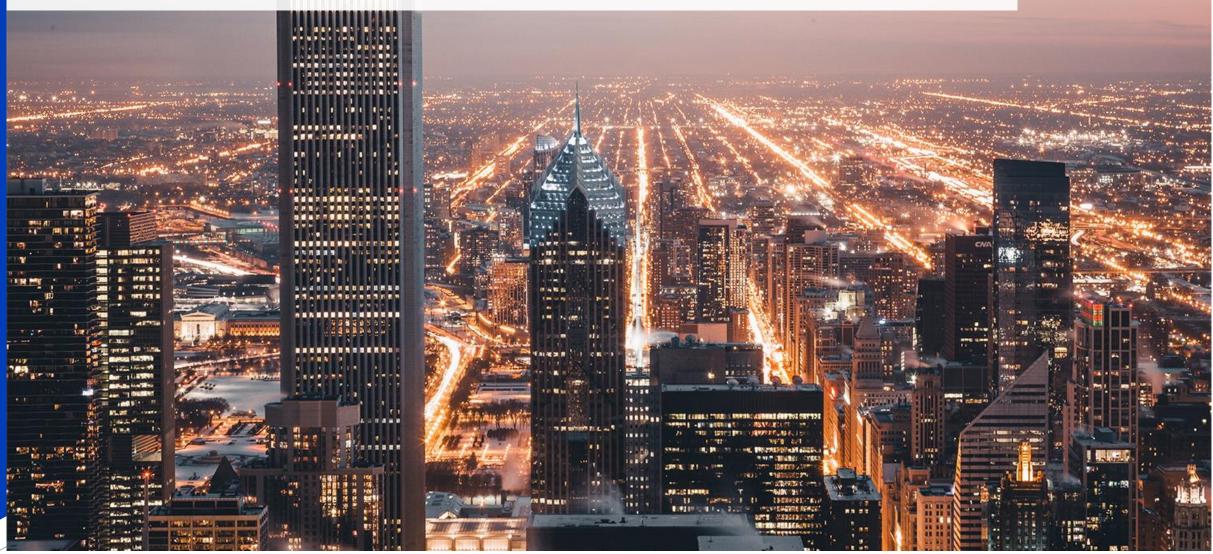


## References

- 1. UiPath ICCA Source Code: <a href="https://github.com/tranhuynhthanglong/ICCA/">https://github.com/tranhuynhthanglong/ICCA/</a>
- 2. UiPath PowerUp 2019 Challenge: <a href="https://uipath2019.devpost.com/">https://uipath2019.devpost.com/</a>
- 3. ABeam Consulting: <a href="https://www.abeam.com/">https://www.abeam.com/</a>
- 4. Language Understanding Service: <a href="https://www.luis.ai/">https://www.luis.ai/</a>
- 5. UiPath Salesforce Connector: <a href="https://go.uipath.com/component/connector-for-salesforce-lightning-platform/">https://go.uipath.com/component/connector-for-salesforce-lightning-platform/</a>

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#### **UiPath ICCA:** Customer Centric Automation Starts NOW!





# Thank You.

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