

Team TRANSform





We are QAD's capstone team:

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QAD Overview



Offices 19 Countries



Revenue \$311m (FY20)



Employees 1,925+



Customers 100+ Countries

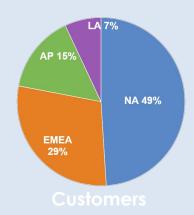


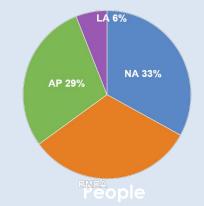
Customer Sites 4000+



Stock NASDAQ: QADA, QADB







QAD is a leading provider of adaptable, cloud-based enterprise software for global manufacturing companies.



He is made aware of a customer dispute while on the phone.









Problems:

ERP application is large in size and can be difficult to navigate

Noisy work from home environment





Solutions:

Adding a virtual assistant for easier access and efficiency





Simon is a sales representative.











Time Comparison

Current UI:

 Intuitive to filter, but takes some time to enter the correct dates ~ 30 seconds

Voice Assistant:

Faster speed ~ 15 seconds





50
Sales Representatives
Saving

5 minutes

Per day

Saves a company...

1000 hours

Every year

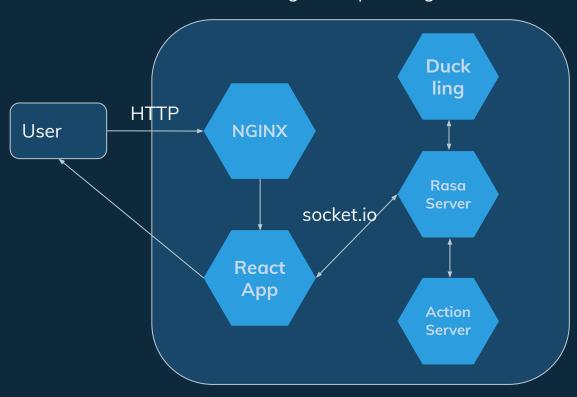


Architecture

Technologies Used:



Google Compute Engine





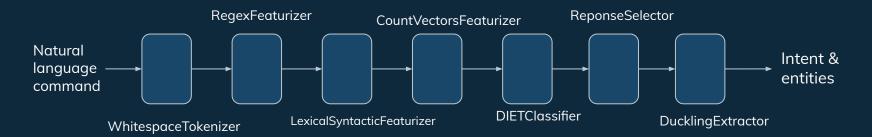
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NLP Architecture

Pipeline:







Entity Extraction

intent: create_action_request

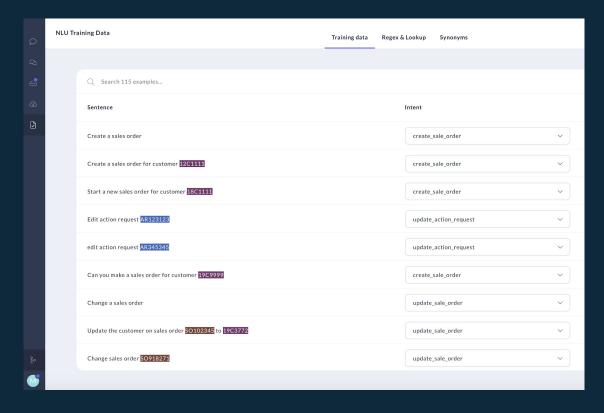
examples: |

- Create a new action request for [customer](contact_type)
 [10C1003](customer_id)
- Create action request for [customer](contact_type)
 [31C9239](customer_id)
- Create action request



Scalable Training

CI/CD with Rasa X:





Potential Improvements

#1. Scope of Information

At the moment, our assistant only supports only a select amount of commands.

#2. Accuracy

Training Data is not as fleshed out as it should be.

#3. Error Handling

The Assistant at the moment only responds with either the correct response or an error message.



Thanks!

Any questions?

