Rasa Intermediate course session 1

What we will learn?

- What is Rasa

- Basic Architecture of Rasa

- Key and important features

- Rasa as library

- Installing packages and checking their usage
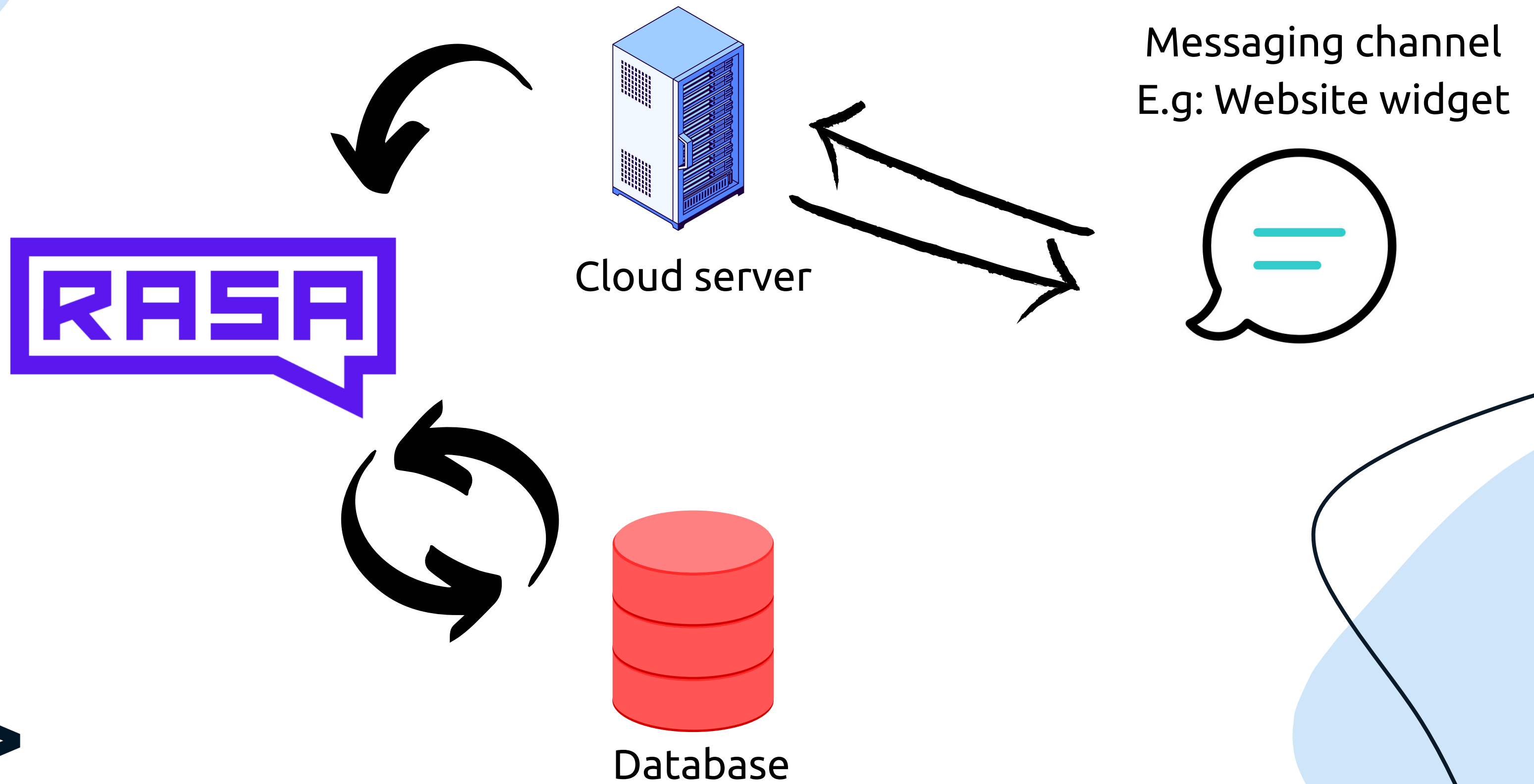
- Best Practices

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What is Rasa

- A chatbot framework, a tool/library to build chatbots

- Open-source chatbot framework to build:

  - Conversational AI flows

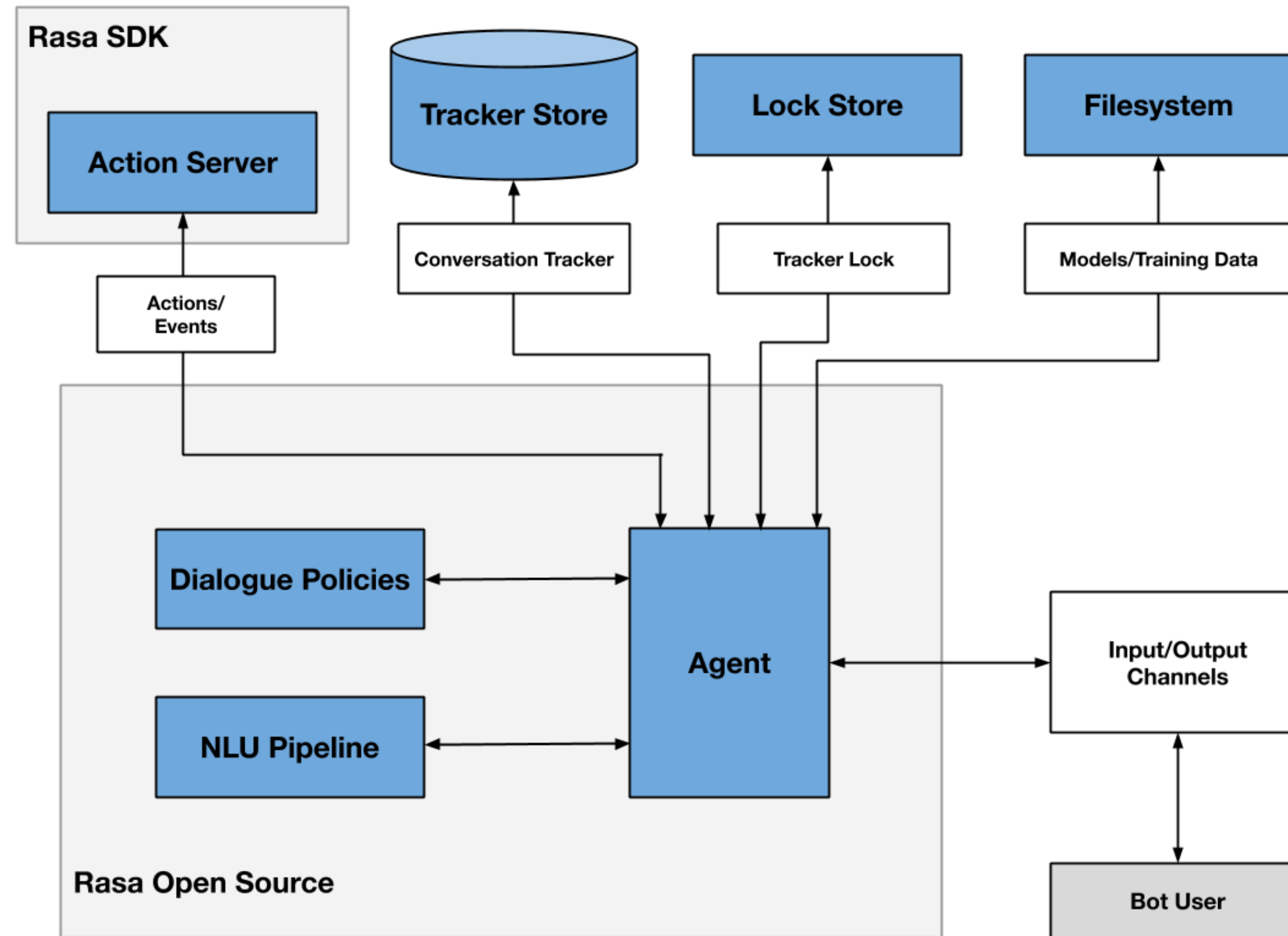 - Connect with messaging platforms

  - Customize and Dynamic response
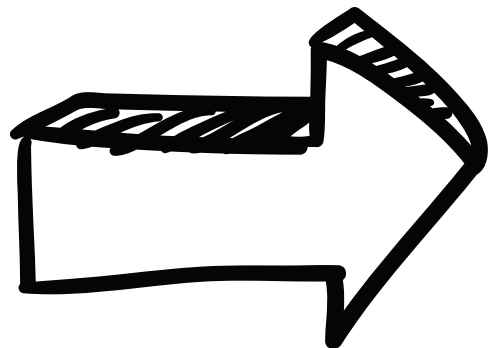
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Basic Architecture of Rasa

Cloud server

Messaging channel
E.g: Website widget

Database

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Basic Architecture of Rasa

Key and important features

- Slots

- Pipeline components

- Forms

- Entities

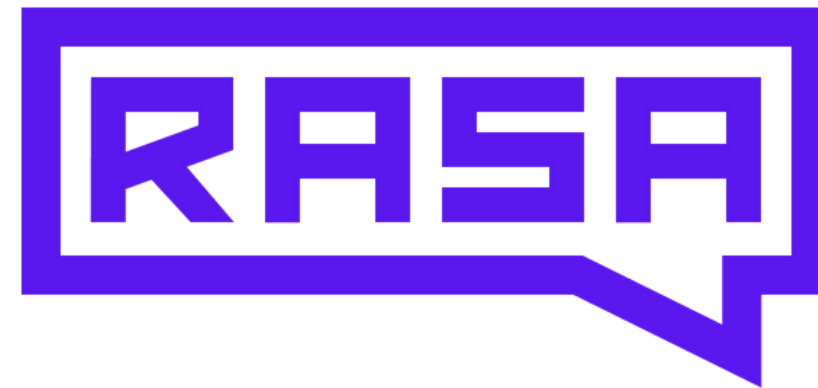- Actions

Rasa as library

- Can be used for the following features:
  - Customizing NLU components
  - Pipeline components such as:
    - Entity extractor
    - IntentClassifier
    - Language Featurizer

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Rasa as library

- Can be used for the following features:
  - Custom channels
  - Accessing Events
  - Accessing Tracker
  - Actions, Form Validation

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Installing packages & usages

- Rasa
- Spacy
- Rasa[transformers]

Best Practices

- Creating a good file structure

- Make use of Rules and stories at their extreme

- Use Slots attributes, instead of if-else

- Build custom pipeline modules for better results

- Use Entities and open-source NER models

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Summary

- Understanding of Rasa

- Architecture overview

- Installation and Usage of libraries

- Rasa as Library

- Best practices

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Thank you!