# Rasa Conversational AI Platform Cheat Sheet

**Installs**: conda create --name rasa python=3.7 nb\_conda\_kernels; activate rasa; pip install rasa rasa[spacy] nest\_asyncio; python -m spacy download en

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| --- | --- | --- | --- | --- |
| **Module** | **Filename** | **Specifications** | **Command, Input, Output** | **Description** |
| NLU | data/nlu.md | ## intent:goodbye  - Bye  - Goodbye | rasa train nlu | Training data for the NLU model |
| Dialog/Core | data/stories.md | ## news path 1  \* greet  - utter\_greet  \* current\_matches  - action\_match\_news  - utter\_did\_that\_help  \* affirm or thanks  - utter\_gratitude  \* goodbye  - utter\_goodbye |  | Some training stories which represent the conversations between a user and the assistant |
| Pipeline | config.yml | language: en  pipeline: supervised\_embeddings  policies:  - name: MappingPolicy | rasa train core | Configuration of the Rasa NLU pipeline and policies |
| Domain | domain.yml | actions:  - utter\_greet  intents:  - goodbye  templates:  utter\_greet:  - text: "Hey! What can I do for you?" | rasa shell --quiet --enable-api --log-file out.log --cors \* | Describes the domain of the assistant which includes intents, entities, slots, templates and actions the assistant should be aware of. |
| Endpoints | endpoints.yml | action\_endpoint:  url: "http://localhost:5055/webhook" |  | Webhook configuration for custom action |
| Custom Actions | actions.py | class ActionRestaurantSearch(Action):  def name(self):  return 'action\_restaurant\_search'  def run(self, dispatcher, tracker, domain):  …. | rasa run actions | code of a custom action which retrieves results by making an external API call |
| Credentials | credentials.yml | slack:  slack\_token: "xoxb-XXXXXX" | rasa run --connector slack --port 5004 --cors \* | OAuth credentials for say, Slack |

Slack Bot App

ngrok Server

Rasa Server

Actions Server

**Verify:** https://aa98d86f.ngrok.io/webhooks/slack/webhook

>>ngrok.exe http **5004**

https://**aa98d86f**.ngrok.io

**endpoints.yml**

action\_endpoint:

url: <http://localhost:5055/webhook>

**In a separate window, activate env, on 5055:**

python -W ignore -m rasa run actions

**credentials.yml**

slack:

slack\_token: "xoxb-XXXXXXXXXXXXX"

**In a separate window, activate env:**

python -W ignore -m rasa run --connector slack --port **5004** --cors \*