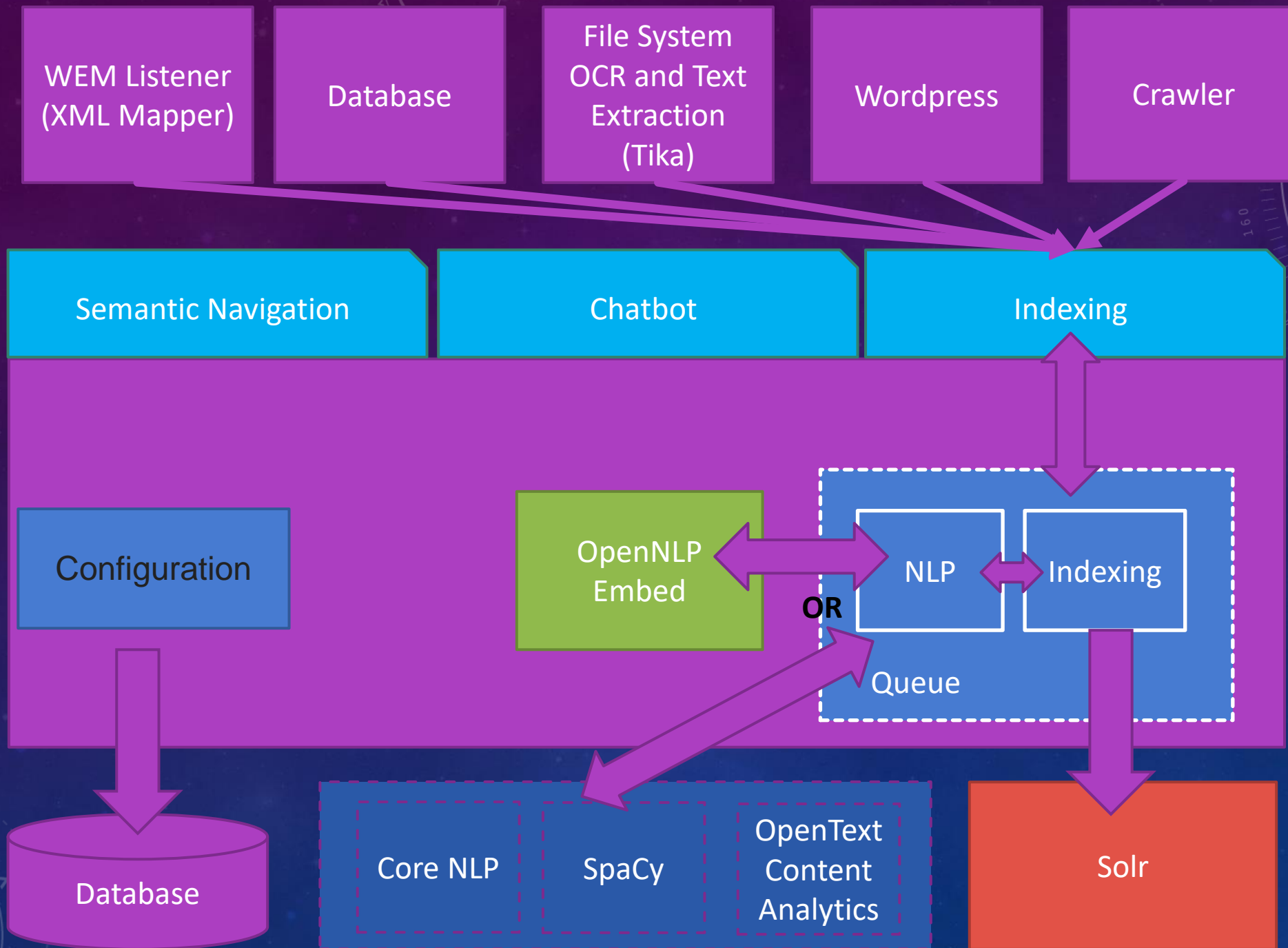# WHAT IS TURING AI?

- Turing **intend be** an API gateway. Aggregate many AI resources on the same interface.

- Today it has following features:

  - Semantic Navigation: Search with Facets integrated with NLP

    - Many Connectors

  - NLP

    - Support Many NLPs

  - Chatbot

    - It has the same concept of Dialogflow

  - Blazon Integration

TURING - NLP

Natural language processing (NLP) is a subfield of linguistics, computer science, and artificial intelligence concerned with the interactions between computers and human language.

- Detects entities in text:
    - People
    - Places
    - Organization
- Compatible with the following NLPs:
    - OpenNLP (built-in)
    - CoreNLP
    - Spacy
    - OpenText Content Analytics
    - Polyglot

TURING – SEARCH ENGINE

- Compatible with Solr

- Allows you to define and use indexing and searching

TURING – SEMANTIC NAVIGATION

- Uses the search engine to index and search content
- Uses NLP to detect Entities like: People, places and organizations
- Defines facets
- Targeting Rules – Can use indexed attributes of document as segmentation
- Cached Configuration – Doesn't retrieve database during search request.
- Indexing Methods
  - Database
  - FileSystem
  - WEM Listener
  - Wordpress plugin
  - Apache Nutch (Crawler)

TURING - CHATBOT

- Same concept as Google DialogFlow

- It uses the search engine to index objects

- Components:

  - Agent - Define Chatbot

  - Intent - Question and answer definitions

  - Actions - User questions

  - Entity - Synonym Rings

  - Training - Defines and corrects intents

  - History - Shows the conversation history

ADVANTAGES

- Support many NLPs

- Open Source

- One Jar (Spring Boot)

- Many Connectors

- Databases supported by Spring (JPA)

MORE ABOUT TURING AI

viglet.org/turing

github.com/openturing