

‘Reload’ Alfresco Audio Transcriber

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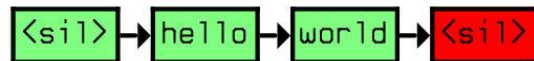


Recognizing Audio

Alfresco + Sphinx 4

Why?

- A lot of audio/video files in many companies
- The need to seek words in audio files
- Transcription of important conversations
- Efficiency in DAM



`<sil>` → `hello` → `world` → `<sil>`

What is it?

AAT (Alfresco Audio Transcriber)

Alfresco Action (Java) for audio transcription with
Sphinx-4 from Carnegie Mellon University

<https://github.com/fegorama/aat/tree/beecon2017>

What is Sphinx-4?



A group of speech recognition systems developed at Carnegie Mellon University. These include a series of speech recognizers (Sphinx 2 - 4) and an acoustic model trainer (SphinxTrain).

Elements of Sphinx-4

SPHINX

Language model:

Grammars

Dictionaries

Acoustic models:

Hidden Markov Model (HMM)

Fields of application

- **DAM (Digital Asset Management)**
- **Trials recording**
- **Movies and Songs**
- **Radio and TV**
- **Education**
- **Assistants**
- **Speeches**





Reload Project...

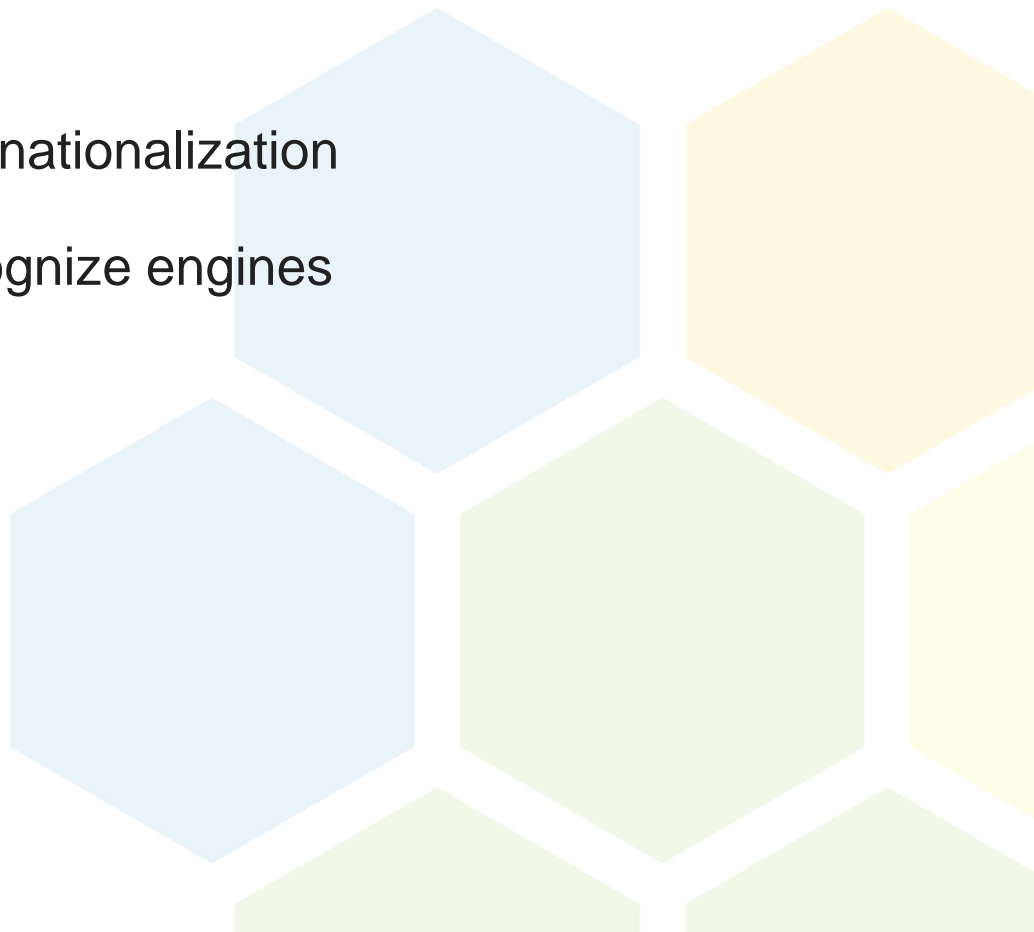
In the hackathon

- Documentation in readme
- Import project to SDK 3
- Compile and tests
- Begining 'reload' with Mikel, Roberto and Fernando
- Jokes and jokes... and drinking... 😊



To Do...

- Specialized dictionaries and internationalization
- Interface for change of more recognize engines
- Feature for speech
- Feature for command action
- More?



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