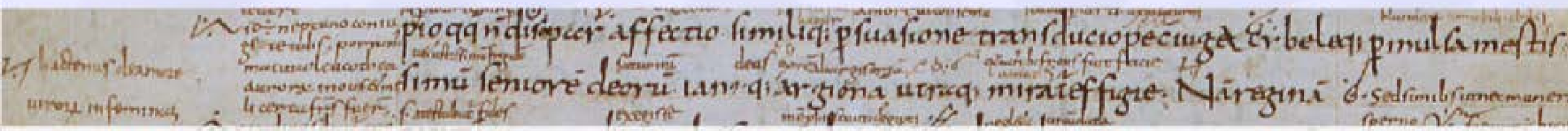
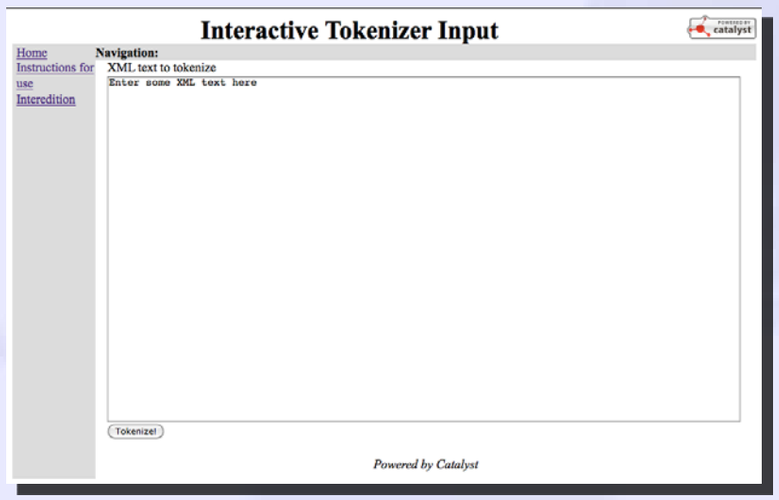
Putting the pieces together

Interedition microservices in practice

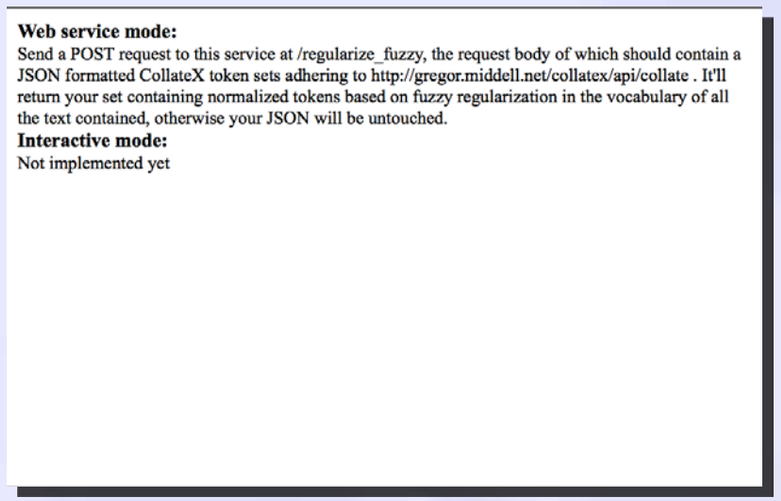
Why microservices?

- Every scholar wants something different
- Small tools are easier to maintain
- Small tools are useful to more people
  - ...if they can be combined with other tools.

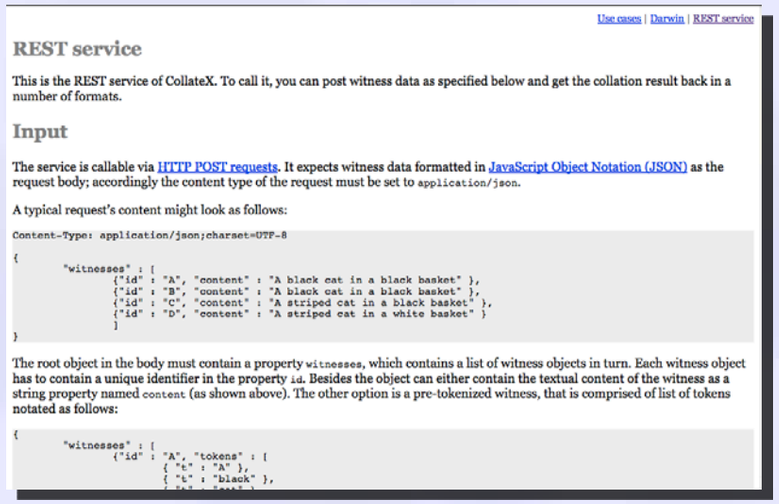




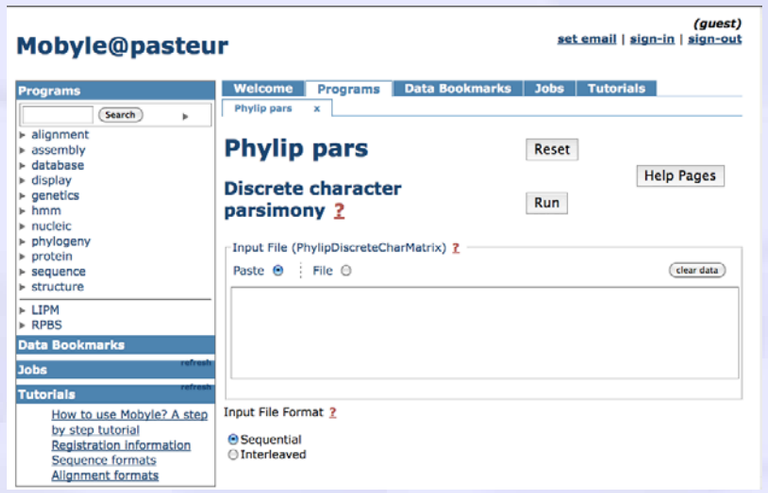
Tokenizer



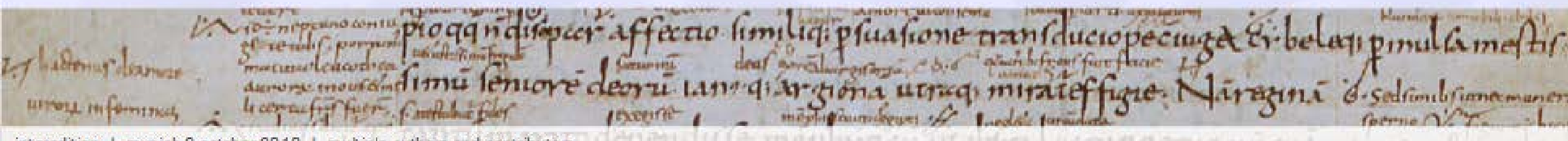
Fuzzy matcher



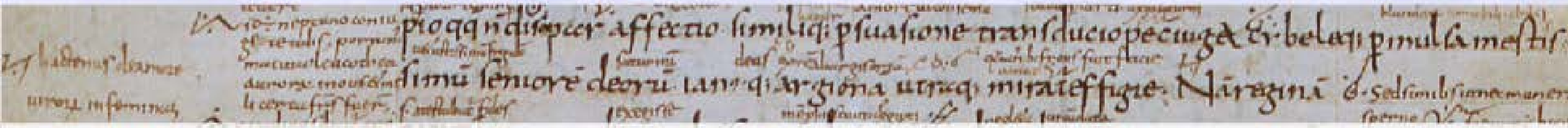
Collator

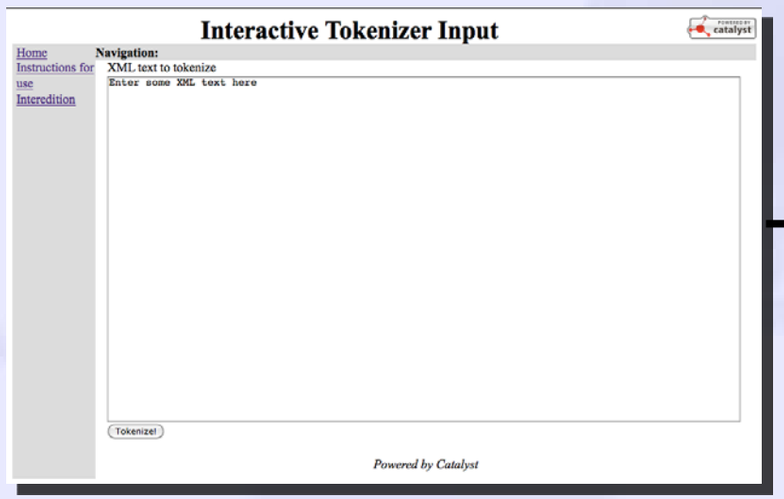


Statistics package



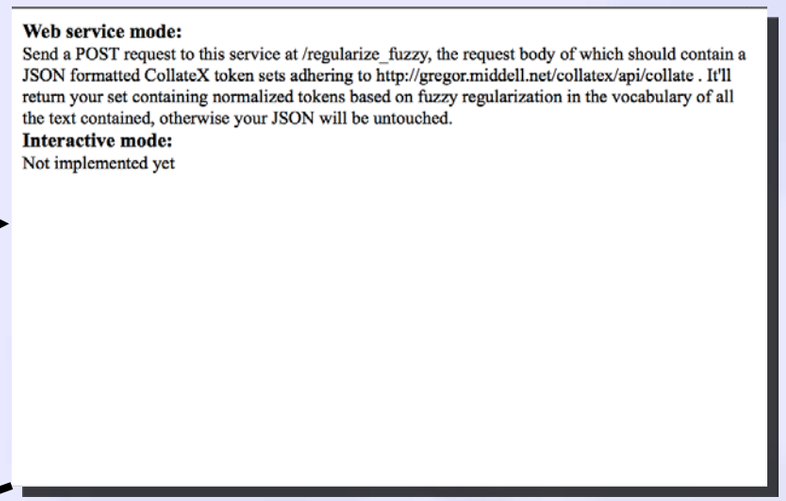
How not to do it





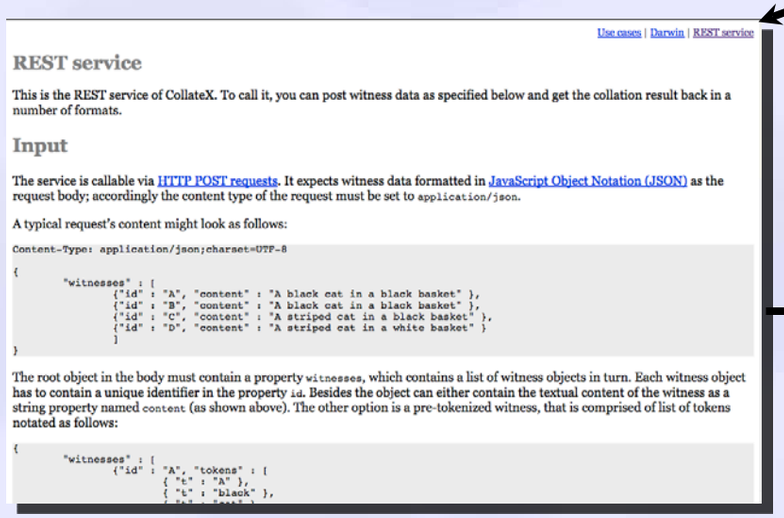
Tokenizer

save the data,
load the data



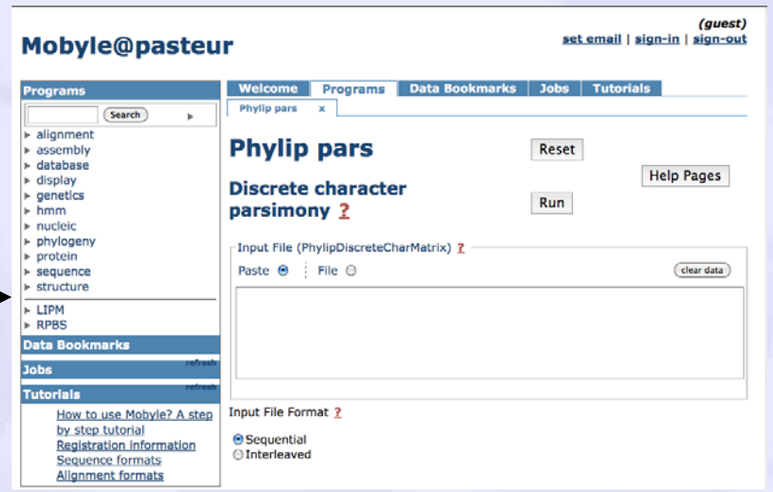
Fuzzy matcher

save the data,
load the data

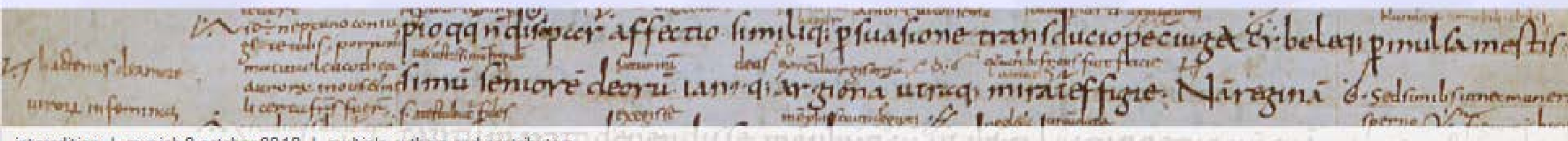


Collator

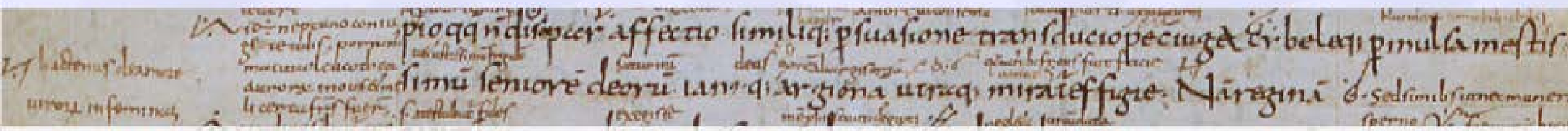
save the data,
load the data



Statistics package

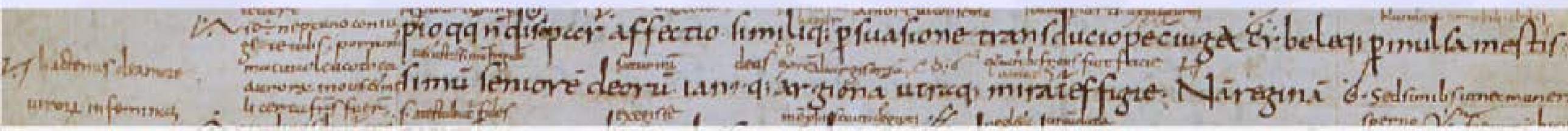


...lost in intermediate data files yet?



- Good microservices can be called by other applications.
- Make your own application
- However you want
- Without duplicating the work of others

An application for text collation



collate

Interedition

This a CollateX based text collation client to show the strength of web services based pipeline workflow as an interoperability mechanism between digital and computational textual scholarship tools. This client is using the CollateX collation engine (running on a different server than this client). CollateX is a powerfull fully automatic baseless text collation engine for multiple witnesses.

1 Files

Select files

Select the files on your local drive, or provide one or more URLs, that contain the texts that you would like to collate.

Add a file Remove

Add Another

Or type the URL to the online text:

X

Add Another

2 Configure

Fuzzy Matching (e.g. for medieval texts)☐

Collator

- Collatex ◉
- Other [not available] ○

Results as:

- TEI ◉
- JSON ○
- HTML ○

3 Result

Collated Result