Using TM Cleaner as a web service

TM Cleaner can be also used as a web service . As a web service it works in Fastaling modality with Logistic Regression classification algorithm . Therefore you should first read the corresponding tutorial and have all things installed.
In addition you need to install the "cherrypy" framework on your server.
The web service classifies the TU (translation units) one by one. It is useful when you have big TMs that you want to clean.

Start the service

python classifyOneByOne-Server.py --config Parameters/Fastalign/p-Batch-Italian.txt --port 9090

--config – Is the same configuration file used for TM Cleaner in Fastalign modality

--port – The port you want to run the service on

Warning : You should have at least 16 GB of RAM memory on the server to load the Fastalign models. Depending on the power of your machine you should wait between 20 seconds to 3 minutes (or more) that the software resources load in memory.

1. Input : *a json string. {"sourceSegment":"your source Segment", "targetSegment":"your target segment"}*
2. Output: a json string *{"classRes": "1", "classesPred": "0.06-0.94", "rule": "ML"} or {"classRes": "0", "classesPred": "default", "rule": "LanguageRule"}.* "classRes" is the class assigned by the classifier. "classesPred" give the probability that the segment is classified as 0 or 1 by the Logistic Regression algorithm. "rule" is the rule used by classifier to predict the final value(ML stays for Machine Learning)

Test Client

We provide a test client for the service

python clientSegments-json.py 64.81.80.214 9090

64.81.80.214 –The ip where the server runs

9090 –The port where the web service runs

The client reads source and target segments from a test file and sends them one by one to the web service. When the file finishes it stops the web service.