

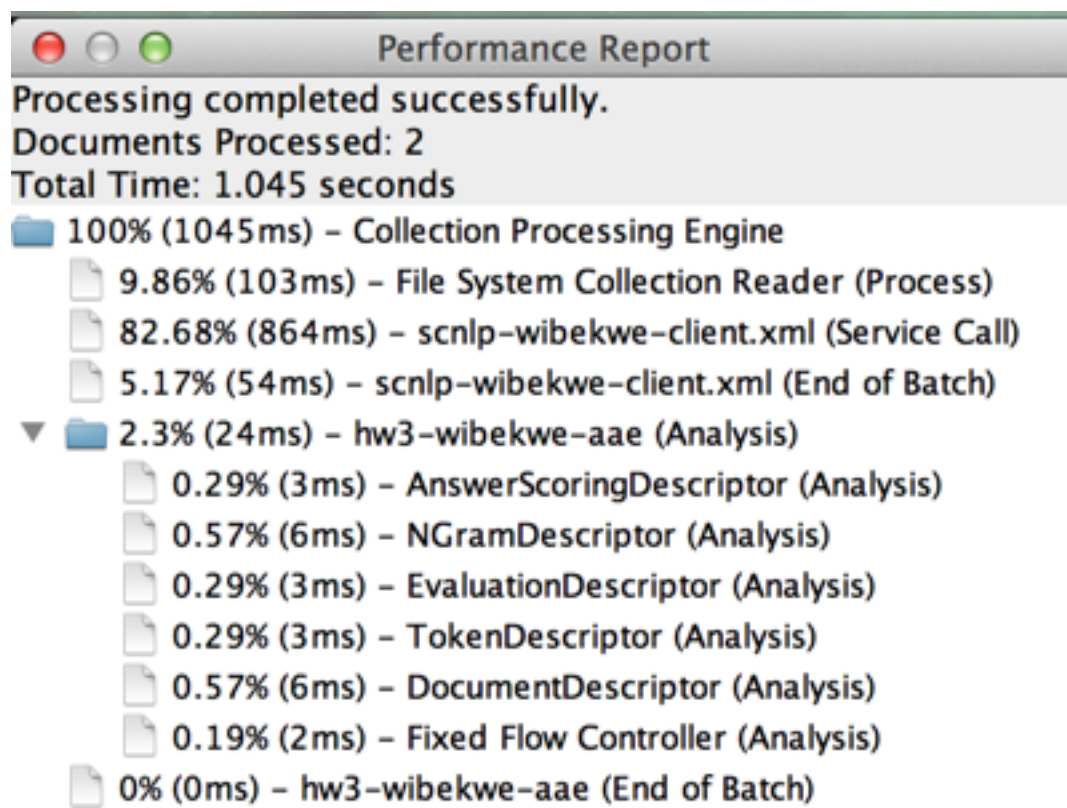
11-791 HOMEWORK 3 REPORT

Task

1. Running pipeline using CPE instead of DocumentAnalyzer.
2. Playing with UIMA-AS, use client descriptor to call remote services and deploy our own services.

System Design

I used the code from assignment 2 to create the CPE for this assignment. Again, I used the default collection and cas consumer used in the uima examples. These documents are titled FileSystemCollectionReader and XMIWriterCASConsumer. I converted my document annotator into a cas consumer. I tried to use the Stanford Core-NLP but for some reason it did not work quite well with my annotators. In fact it was giving me bad results and errors. I finally got it to work and obtained a result. From there I used this opportunity to modify my evaluation annotator so that the Q and A of each sentence of the annotation is taken into consideration. Also, I adjusted the annotators to handle case sensitivity. This allowed for a better similarity score. The following is the result received.



Booth shot Lincoln?

- + 0.5 Booth assassinated Lincoln.
- + 1.0 Booth shot Lincoln.
- + 0.6 Lincoln was shot by Booth.
- + 0.3 Lincoln was assassinated by Booth.
- 0.5 Lincoln assassinated Booth.
- 0.6 Booth was shot by Lincoln.
- 0.3 Booth was assassinated by Lincoln.
- 1.0 Lincoln shot Booth.

John loves Mary?

- + 0.3 Mary is dearly loved by John.
- + 0.4 John loves Mary with all his heart.
- + 1.0 John loves Mary.
- 0.4 Mary doesn't love John.
- 0.4 John doesn't love Mary.

UIMA AS

Following is the process I used to deploy my UIMA project using UIMA-AS. I used the FileSystemCollectionReader.xml as my descriptor to run the contents of my aggregate analysis engine. I declare the inputDirectory as my input values used for my project and I declare hw3-wibekwe-aae.xml as my aggregate analysis engine. Using all these items and the CPE DUI. I am able to create my cpe called hw3-wibekwe-CPE.xml.

After creating the CPE I would connect this to my client.xml called hw3-wibekwe- client. I will then create the deploy xml called hw3-wibekwe-deploy to deploy this service on the my uima as broker.