

# PI8: DEPLOY

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## 1. DEPLOYMENT

The system was deployed as follows:

- CAS Reader: on the client end.
- AAE: the entire AAE was deployed at the server end. The AAE includes Passage Annotator, Question Annotator and Token Annotator.
- CAS Writer: on the client end.

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## 2. EFFICIENCY

After deploying the AAE on the server, I noticed that it took a lot of time to transmit CAS from the server to the client. My assumption was that the CAS objects contains lists of strings (lists of tokens), which may be time-consuming to serialize and transmit. I changed the type system so that all tokens are joined into one string and then stored in the CAS. This helped to fasten the system (mvn exec took 19s/15s before/after), but was not a big change.