

## Tier 1: Clients

*Clients  
imple-*

*mented  
in Java*

...

## Tier 2: Presentation and Interaction

*Automatically generated Java classes*

*Hand-written Java classes*

*Web server embedded in Java*

NLP Service Connector

*Java classes,  
partly annotated  
for WS generation*

## Tier 3: Analysis and Retrieval

**GATE Library**

Language Services

*assembled using the*

*GATE GUI*

...

## Tier 4: Resources

*Descriptions  
written in OWL*

*External docs,  
accessed by  
GATE directly*

*Documents in-  
dexed by GATE  
using Lucene*