MTAS

Multi Tier Annotation Search

practicalities

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Installation

- Version number Mtas follows numbering Solr / Lucene
- Correct Solr version has to be installed
- Create a new core

Add files

- mtas-6.6.1.jar (in the lib directory)
- commons-math3-3.5.jar (in the lib directory)
- mapping files

In solrconfig.xml

- Define Mtas searchComponent
- Define the Mtas CQL queryParser
- Define a new updateRequestProcessorChain
- Define or adjust the update requestHandler

In schema.xml

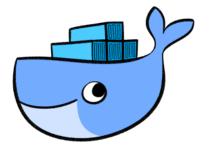
- Define the Mtas fieldType(s) with reference(s) to mapping
- Add field(s) with these Mtas fieldType(s)

demo/conf
demo/core.properties
demo/data
demo/data/index
demo/data/index/segments_1
demo/data/index/write.lock
demo/data/snapshot_metadata
demo/data/tlog
demo/lib
demo/schema.xml
demo/solrconfig.xml

demo/folia.xml demo/lib/mtas-6.6.1.jar demo/lib/commons-math3-3.5.jar

Documentation and examples on GitHub

Docker



docker build -t mtas https://raw.githubusercontent.com/meertensinstituut/mtas/master/docker/Dockerfile docker run -t -i -p 8080:80 --name mtas mtas

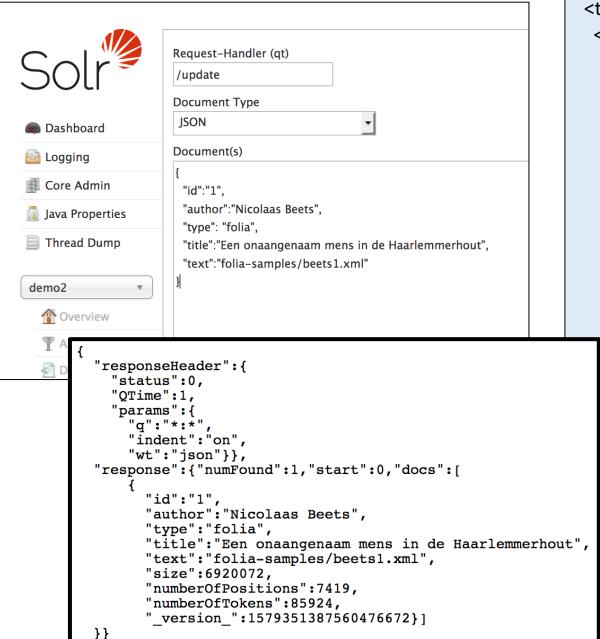
Demonstration
Experiment
Installation
Latest release

Examples

- FoLiA
- ISO-TEI
- CHAT





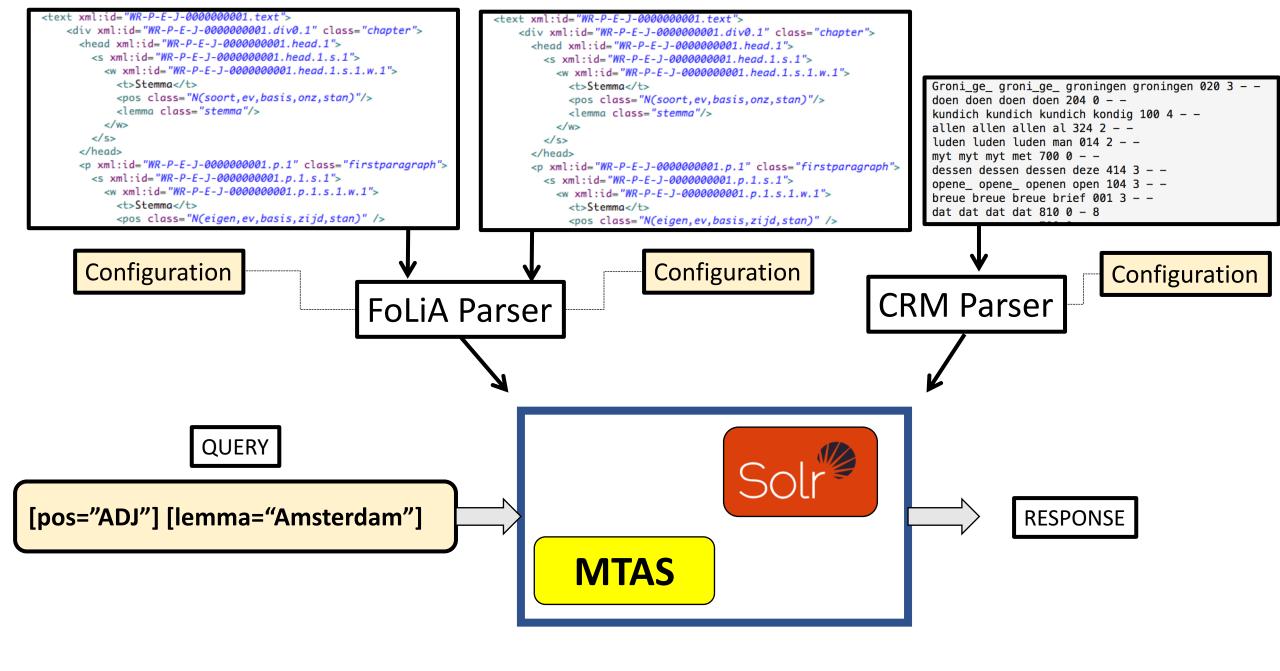


```
<text xml:id="untitled.text">
 <t>Een onaangenaam mens in de Haarlemmerhout</t>
 <s xml:id="untitled.p.1.s.1">
  <t>Een onaangenaam mens in de Haarlemmerhout</t>
  <w xml:id="untitled.p.1.s.1.w.1" class="WORD">
   <t>Een</t>
   <pos class="LID(onbep,stan,agr)" confidence="0.981771" head="LID">
    <feat class="onbep" subset="lwtype"/>
     <feat class="stan" subset="naamval"/>
    <feat class="agr" subset="npagr"/>
    </pos>
    <morphology>
    <morpheme>
     <t offset="0">een</t>
     </morpheme>
    </morphology>
    <lemma class="een"/>
  </w>
```

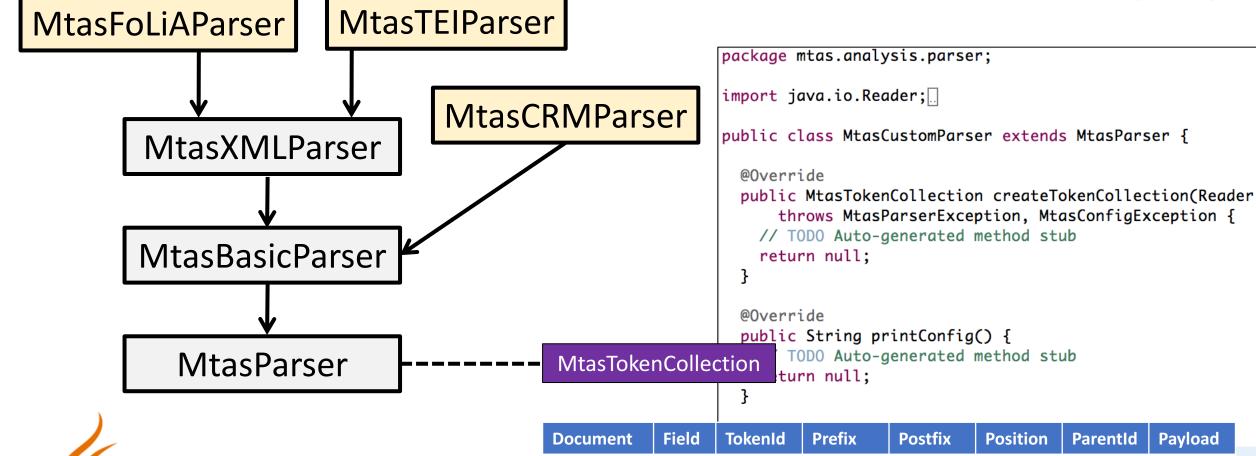
/var/www/html/demo/folia-samples/beets1.xml http://localhost/demo/folia-samples/beets1.xml

```
<mapping type="wordAnnotation" name="lemma">
                                                               <text xml:id="untitled.text">
 <token type="string" parent="false">
                                                                GROUP
  <
                                                                 <t>Een onaangenaam mens in de Haarlemmerhout</t>
   <item type="name" />
                                                                 <s xml:id="untitled.p.1.s.1">
  <t>Een onaangenaam mens in de Haarlemmerhout</t>
  <post>
                                                                  <w xml:id="untitled.p.1.s.1.w.1" class="WORD">
                                                                                                                             WORD
   <item type="attribute" name="class" />
                                                                   <t>Een</t>
  </post>
                                                                   <pos class="LID(onbep,stan,agr)" confidence="0.981771" head="LID">
 </token>
                                                                    <feat class="onbep" subset="lwtype"/>
 <condition>
                                                                    <feat class="stan" subset="naamval"/>
  <item type="attribute" name="class" />
                                                                    <feat class="agr" subset="npagr"/>
                                                                                                                 WORDANNOTATION
 </condition>
                                                                   </pos>
</mapping>
                                                                   <morphology>
                                                                    <morpheme>
{"mtasId":0, "prefix":"t", "value":"Een", "position":0, "parentMtasId":68},<t offset="0">een</t>
{"mtasId":1, "prefix":"t lc", "value":"een", "position": Q},
                                                                    </morpheme>
{"mtasId":2, "prefix": "feat.lwtype", "value": "onbep", "position": 0},
                                                                   </morphology>
{"mtasId":3, "prefix":"feat.naamval", "value":"stan", "position": 0},
                                                                   <lemma class="een"/>
{"mtasId":4, "prefix": "feat.npagr", "value": "agr", "position": 0},
                                                                  </w>
{"mtasId":5, "prefix":"pos", "value":"LID", "position": 0},
{"mtasId":6, "prefix":"morpheme", "value":"een", "position":
{"mtasId":7, "prefix":"lemma", "value":"een", "position": 0},
{"mtasId":47, "prefix":"chunk", "value":"NP", "position": 0},
                                                                            KWIC search for [#0]
{"mtasId":54, "prefix":"dependency.dep", "value":"", "position": 0},
{"mtasId":55, "prefix":"dependency", "value":"det", "positions":"[0, 2]"},
                                                                            everything on the first position
{"mtasId":68, "prefix":"s", "positions": "0-5", "parentMtasId":69},
```

{"mtasId":69, "prefix":"p", "positions": "0-5"}



PARSERS





Document	Field	TokenId	Prefix	Postfix	Position	ParentId	Payload
1	text	0	S	-	0 - 10	-	-
1	text	1	t	Ik	0	0	-
1	text	2	pos	VNW	0	0	-
1	text	3	t	ben	1	0	-
	•••						



f5ec0e6e-210e-4588-bc9f-b6d80d95aafe

Metadata







```
{
  "NLProfile_name": "nederlabTitleProfile",
  "NLCore_NLIdentification_nederlabID": "f5ec0e6e-210e-4588-bc9f-b6d80d95aafe",
  "NLCore_NLIdentification_versionID": "f5ec0e6e-210e-4588-bc9f-b6d80d95aafe",
  "NLCore_NLIdentification_sourceRef": ["WS-U-E-A-0000005860"],
  "NLCore_NLAdministrative_ingestTime": "2015-11-24T00:00:00Z",
  "NLCore_NLAdministrative_sourceCollection": "SoNaR",
  "NLCore_NLAdministrative_isThesaurusElement": true,
  "NLTitle_title": "koe",
  "NLTitle_title": "koe",
  "NLTitle_genre": ["non-fictie"],
  "NLTitle_yearOfPublicationMin": 1999,
  ...
  "NLContent_mtas": "f5ec0e6e-210e-4588-bc9f-b6d80d95aafe"
}
```

NEDERLAB



BROKER

Cache

Status

Home Search Documentation Settings

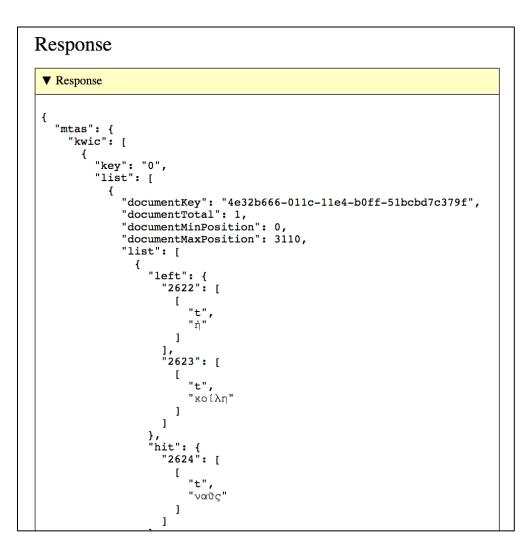
Search

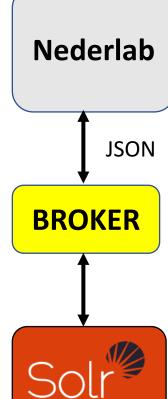
Send request

NEDERLAB

Align json

Reset





Source and documentation on GitHub



https://github.com/meertensinstituut/mtas

https://github.com/meertensinstituut/broker



Docker image with demo scenarios available

QUESTIONS?