Canonical Text Service

Example Request:

http://cts.informatik.uni-leipzig.de/pbc/cts/?request=GetPassage&urn=urn:cts:pbc:bible.parallel.eng.kingjames:1.3.5-1.3.8@the[2]

CTS URNs

urn:cts:demo:shakespeare.sonnets:35.1@grieved-35.5@faults[1]

35.5@vaults[1] == 35.5@vaults

urn:cts:, namespace and textgroup required, rest optional

Case sensitive(latinlit vs. LatinLit)

Descriptive parts can contain any character

Korrekt:**urn:cts:demo:shakespeare.sonnets12.2:preface.line1**

chapter2.line4 kann vorkommen vor**chapter2.line1**

Functional characters may not be used in descriptive elements

. : - @ [ ]
(complete list http://www.homermultitext.org/hmt-docs/specifications/ctsurn/)

Incorrect:**urn:cts:demo:sha[@kespeare.sonn-ets:35.1[@-**

Static URNs

Document
urn:cts:pbc:bible.parallel.eng:
urn:cts:pbc:bible.parallel.eng.kingjames:

Text part
urn:cts:pbc:bible.parallel.eng:1
urn:cts:pbc:bible.parallel.eng.kingjames:1.3.2

Dynamic URNs

Text span (From one text part to another)
urn:cts:pbc:bible.parallel.eng:1.2-1.5.6

Sub passage notation
urn:cts:pbc:bible.parallel.eng:1.2@the[2]-1.5.6@five

Functions

GetCapabilities	The text inventory with every CTS URN on document level and the corresponding meta information.
GetPassage	The text passage that is referenced by a given CTS URN.
GetLabel	An informal description for the text passage that is referenced by a given CTS URN. For example useful for tooltips.
GetValidReff	All the CTS URNs that "belong to" a given CTS URN on a given citation level. For example, every *sentence CTS URN* that "belongs to" a given *chapter CTS URN*.
GetPrevNextUrn	The previous and next static CTS URNs for a given CTS URN in document order.
GetFirstUrn	The first CTS URN that "belongs to" a given CTS URN. For example, the first *sentence CTS URN* that "belongs to" a given *chapter CTS URN*.
GetPassagePlus	The combined information for a given CTS URN.

Response

```xml
<GetValidReff>
 -<request>
    <requestName>GetValidReff</requestName>
  -<requestUrn>
     urn:cts:pbc:bible.parallel.eng.kingjames:1.12-1.12.5
    </requestUrn>
    <level>3</level>
  </request>
 -<reply>
  -<reff>
     <urn>urn:cts:pbc:bible.parallel.eng.kingjames:1.12</urn>
     <urn>urn:cts:pbc:bible.parallel.eng.kingjames:1.12.1</urn>
     <urn>urn:cts:pbc:bible.parallel.eng.kingjames:1.12.2</urn>
     <urn>urn:cts:pbc:bible.parallel.eng.kingjames:1.12.3</urn>
     <urn>urn:cts:pbc:bible.parallel.eng.kingjames:1.12.4</urn>
     <urn>urn:cts:pbc:bible.parallel.eng.kingjames:1.12.5</urn>
    </reff>
    <license>Public Domain</license>
  -<source>
     Retrieved via Canonical Text Service http://cts.informatik.uni-leipzig.de/pbc/cts/
    </source>
  </reply>
</GetValidReff>
```

Configuration Parameter

divs	**Structures the document with numbered divs (div1 type=chapter, div2 type=line,...)(false if @-notation is used, div=true overwrites epidoc=true)**
epidoc	**Structures the document in EpiDoc-Format (false if @-notation is used, div=true overwrites epidoc=true)**
stats (plus divs=true)	**Additional statistics**
maxlevelexception	**Level of GetValidReff may not be bigger than maximum level of document**
escapePassage (plus epidoc=true)	**XML-Escape the passage (true if @-notation is used)**
seperatecontext	**Seperate the context from the passage**
smallinventory	**GetCapabilities without metainformation (more efficient for crawling)**
xmlformatting	**Should the XML be formatted to be easier to read or not to be more efficient?** **Your browser formats it anyway, so you might only see a difference in the website's sourcecode.**
deletexml	**Should the xml tags inside the text (e.g. meta information) be deleted to make it more readable?**

http://cts.informatik.uni-leipzig.de/pbc/cts/?request=GetPassage&urn=urn:cts:pbc:bible.parallel.eng.kingjames:1&configuration=divs=true_stats=true

Extended Functionalities

http://cts.informatik.uni-leipzig.de/german_speeches/plain/`urncount`

Parameters
```
urn, from, to = any CTS URN
alignurns = CTS URNs on document level seperated by an extra ":"
addtext = true/false
steps, level = Integer
filter, text = Any String
page, pagesize = Integer
key = title|contentType|license|author|source|year|lang
```

Text Collection
```
/urns
/urncount
/urncount?urn=[urn]
/doccount
/authors
/titles
/titles?pagesize=3&page=2
/titlesandurns
/titlesandurns?pagesize=3&page=2
/editions
/editions?pagesize=3&page=2
```

URN specific Information
```
/getPassage?urn=[urn]
/right?urn=[urn]&steps=[steps]
/metaforkey?urn=[urn]&key=[key]
/left?urn=[urn]&steps=[steps]
/lang?urn=[urn]
/childList?urn=[urn]&level=[level]
/all?urn=[urn]
/last?urn=[urn]
/title?urn=[urn]
/text?urn=[urn]
/last?urn=[urn]
/first?urn=[urn]
```

Structure Information
```
/urnpartsonlevel?urn=[urn]&level=[level]
/urnstypes?urn=[urn]
/depthtypes?urn=[urn]
/compactdepthtypes?urn=[urn]
/texts?urn=[urn]
/urnstexts?urn=[urn]
/urnstypestext?urn=[urn]
/urnstypestextlength?urn=[urn]
/depthtypestextlength?urn=[urn]
/fromto?from=[urn]&to=[urn]
```

Alignment
```
/alignmenttmx?urn=[urn]&alignurns=[urn]
/alignment?urn=[urn]&alignurns=[urn]
/alignments?urn=[urn]&steps=[steps]
/alignmentcandidates?steps=[steps]
```

Search
```
/search?urn=[urn]&text=[text]
```