Example Request:

http://cts.informatik.uni-leipzig.de/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/](http://www.homermultitext.org/hmt-docs/specifications/ctsurn/))

**Incorrect:urn:cts:demo:shakespeare.sonnets-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>
    </requestUrn>
    <level>3</level>
  </request>
  <reply>
    <reffer>
      <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>
    </reffer>
    <license>Public Domain</license>
    <source>
      Retrieved via Canonical Text Service http://cts.informatik.uni-leipzig.de/pbc/cts/
    </source>
  </reply>
</GetValidReff>
```
<table>
<thead>
<tr>
<th>Configuration Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>divs</td>
<td>Structures the document with numbered divs (div1 type=chapter, div2 type=line,...) (false if @-notation is used, div=true overwrites epidoc=true)</td>
</tr>
<tr>
<td>epidoc</td>
<td>Structures the document in EpiDoc-Format (false if @-notation is used, div=true overwrites epidoc=true)</td>
</tr>
<tr>
<td>stats (plus divs=true)</td>
<td>Additional statistics</td>
</tr>
<tr>
<td>maxlevelexception</td>
<td>Level of GetValidReff may not be bigger than maximum level of document</td>
</tr>
<tr>
<td>escapePassage (plus epidoc=true)</td>
<td>XML-Escape the passage (true if @-notation is used)</td>
</tr>
<tr>
<td>separatecontext</td>
<td>Seperate the context from the passage</td>
</tr>
<tr>
<td>smallinventory</td>
<td>GetCapabilities without metainformation (more efficient for crawling)</td>
</tr>
<tr>
<td>xmlformatting</td>
<td>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.</td>
</tr>
<tr>
<td>deletexml</td>
<td>Should the xml tags inside the text (e.g. meta information) be deleted to make it more readable?</td>
</tr>
</tbody>
</table>

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]&steps=[steps]
/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]
/urnstypetext?urn=[urn]
/urnstypetextlength?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]