|  |  |
| --- | --- |
|  | **2014** |
|  | The Company  Martien Huijsmans |

|  |
| --- |
| **[XML]** |
| Todo |

Inhoud

[C++ parsers 1](#_Toc397286017)

[RapidXML 1](#_Toc397286018)

[Pugixml 1](#_Toc397286019)

[Apache Xerces 2](#_Toc397286020)

[Libxml2 2](#_Toc397286021)

[Tinyxml2 2](#_Toc397286022)

# C++ parsers

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Property | Rapdxml | Pugixml | Xerces | libxml2 | Tinyxml2 | Code Synthesis |
| License | MIT | MIT | Apache 2.0 | MIT | zlib (MIT like?) | Free proprietary license for small XML vocabularies |
| Documentation |  | First Impression ok. |  |  |  |  |
| Examples |  |  |  |  |  |  |
| Standards compliance |  |  | XML 1.0/1.1 DOM, SAX, NameSpaces, Xinclude |  |  |  |
| Validating | yes, uses exception handling for error | No |  |  |  |  |
| c++ | yes | yes own namespace. | yes | no (c) | yes. STL not used. Own namespace. |  |
| Dependencies |  |  |  |  | No exceptions, RTTI, or the STL. |  |
| namespace supported | no | ? |  |  |  |  |
| Model | DOM | DOM |  |  | DOM UTF-8 support | In-memory, SAX-like |
| Memory Model |  |  |  |  | Nodes are owned by the Document. |  |
| Platforms |  | ? | all |  |  |  |
| Maintained | no | yes (8 years) |  |  |  |  |
| Xpath |  | yes, 1.0 |  | yes |  |  |
| XSD compiler |  | no |  |  | no | yes |
| Special |  | 1 CPP, 2 HPP files. |  |  | 1 header & cpp. + 1 demo |  |

## RapidXML

<http://rapidxml.sourceforge.net/>   
Limitations: listed here: <http://stackoverflow.com/questions/170686/best-open-xml-parser-for-c>  
Seems no longer maintained.

## Pugixml

official site: <http://pugixml.org/>   
<https://code.google.com/p/pugixml/>  
 Liked the examples. Feel modern.  
Documentation: <http://pugixml.googlecode.com/svn/tags/latest/docs/manual/toc.html>

## Apache Xerces

<http://xerces.apache.org/xerces-c/>   
First impression: no so easy to understand as pugixml.

## Libxml2

property: XML c parser  
license: mit

## Tinyxml2

<http://www.grinninglizard.com/tinyxml2/index.html>   
<https://github.com/leethomason/tinyxml2>

## Code Synthesis

<http://www.codesynthesis.com/products/xsd/>

## Boost propertyTree

http://akrzemi1.wordpress.com/2011/07/13/parsing-xml-with-boost/