

## MARTe2-core - User story #288

### SLK Parser

09.12.2015 14:57 - André Neto

<b>Status:</b> Closed	<b>Start date:</b> 09.12.2015
<b>Priority:</b> Normal	<b>Due date:</b>
<b>Assignee:</b>	<b>% Done:</b> 0%
<b>Category:</b>	<b>Estimated time:</b> 0.00 hour
<b>Target version:</b> 0.10	<b>Spent time:</b> 0.00 hour
<b>Git branch (link):</b>	<b>SVN commit (link/?p=rev):</b>
<b>Git merge to develop (link):</b>	

#### Description

Implement a json and xml parser based on the SLK implementation.

### Source code files modified

- Source/Core/BareMetal/L3Streams/AdvancedErrorManagement.h
- Source/Core/BareMetal/L4Configuration/AnyTypeCreator.cpp
- Source/Core/BareMetal/L4Configuration/AnyTypeCreator.h
- Source/Core/BareMetal/L4Configuration/JsonParser.cpp
- Source/Core/BareMetal/L4Configuration/JsonParser.h
- Source/Core/BareMetal/L4Configuration/LexicalAnalyzer.cpp
- Source/Core/BareMetal/L4Configuration/LexicalAnalyzer.h
- Source/Core/BareMetal/L4Configuration/Parser.cpp
- Source/Core/BareMetal/L4Configuration/ParserI.cpp
- Source/Core/BareMetal/L4Configuration/ParserI.h
- Source/Core/BareMetal/L4Configuration/StandardParser.cpp
- Source/Core/BareMetal/L4Configuration/StandardParser.h
- Source/Core/BareMetal/L4Configuration/StringToInteger.cpp
- Source/Core/BareMetal/L4Configuration/XMLParser.cpp
- Source/Core/BareMetal/L4Configuration/XMLParser.h
- Source/Core/BareMetal/L4Configuration/ParserGrammar.h

### Source code files removed

- The files /Source/Core/BareMetal/L4Configuration/\*.ll have been removed after archiving a copy of them on "MARTe2 (doc-git)" repository.

### Architecture & design review

N/A

### Code and documentation review

**Date of the review:** 18/12/2015

**Person who did the review:** Ivan Herrero and Andre' Neto (second revision)

**Result of review:** PASS (but see non-conformities to be discussed in the next sprint)

#### List of non-conformities:

- The ParserI and LexicalAnalyzer classes receive a stream by reference (StreamI&) on its constructor, but both store internally the address of the stream and use it as an explicit pointer, and accessing it on other functions. From the point of view of the user of the class, passing by reference a parameter in a function means that the object will be only accessed during the execution of the function (constructor in this case), but not during the lifetime of the instance of the class. It should be better

declaring it as an explicit pointer on the constructor.

## Unit test review

**Date of the review:** 18/12/2015

**Person who did the review:** Ivan Herrero Molina

**Result of coverage tests review:** PASS

**Result of functional tests review:** PASS

**Result of review:** PASS

**List of non-conformities:** N/A

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### Associated revisions

#### Revision 5e7c933e - 10.12.2015 18:21 - Giuseppe Ferro

#288 Added XML and Json parser and tests.  
Lint in progress.

#### Revision 9f1f808d - 11.12.2015 13:45 - Giuseppe Ferro

#288 Linting done.

#### Revision 49355ac4 - 11.12.2015 18:16 - Giuseppe Ferro

#288 Added Documentation and finished tests

#### Revision a373fc76 - 14.12.2015 11:26 - Giuseppe Ferro

#288 Improved documentation.

#### Revision 3c577232 - 14.12.2015 11:34 - Giuseppe Ferro

#288 Sorted the file list in the makefiles in alphabetic order.

#### Revision 9974ef9f - 16.12.2015 18:48 - Ivan Herrero

#288 - Delete grammar files from source folders.

Note: Grammar SLK files (\*.ll) have been archived out the source code.  
Anyway, they are also written in the @details tag of each parser class.

#### Revision 7fa84573 - 16.12.2015 18:56 - Ivan Herrero

#288 - Fix formatting and documentation issues on parser related classes.

#### Revision 96962bae - 16.12.2015 18:58 - Ivan Herrero

#288 - Purge printf calls on unit tests for parser related classes.

#### Revision eb064a0f - 17.12.2015 11:03 - Ivan Herrero

#288 - #288 - Fix minor formatting issues on parser related classes.

#### Revision 50b8ee60 - 18.12.2015 09:58 - Giuseppe Ferro

#288 Fixed accordingly with review comments

#### Revision e6b729bb - 18.12.2015 13:28 - André Neto

#288 Updated the SelectTest to the latest version (in order to compile).

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### History

#### #1 - 14.12.2015 11:27 - Giuseppe Ferro

- Status changed from Code: Impl to Code: Rev

**#2 - 14.12.2015 11:44 - Giuseppe Ferro**

- Description updated

- Assignee deleted (Giuseppe Ferro)

Code implementation done: 3c57723297234aec6e2d984e9cbbd590df1a52e9  
branched from: #282\_Parser  
branch name: "Silk\_parser"

**#3 - 14.12.2015 11:44 - Giuseppe Ferro**

- Description updated

**#4 - 14.12.2015 12:50 - Ivan Herrero**

- Description updated

- Assignee set to Ivan Herrero

**#5 - 14.12.2015 13:21 - Ivan Herrero**

- Description updated

**#6 - 17.12.2015 11:14 - Ivan Herrero**

- Description updated

Tasks done during the review:

- Add DDL\_API macro to parsing classes.
- Delete grammar files from source folders.
- Fix formatting and documentation issues on parser related classes (\*).
- Purge printf calls on unit tests for parser related classes.

(\*) The documentation for parser related classes has been deeply revamped.

Last commit: eb064a0

**#7 - 17.12.2015 11:38 - Ivan Herrero**

- Description updated

**#8 - 17.12.2015 11:54 - Ivan Herrero**

- Description updated

**#9 - 17.12.2015 15:28 - Ivan Herrero**

- Status changed from Code: Rev to Code: Impl

- Assignee deleted (Ivan Herrero)

**#10 - 18.12.2015 09:59 - Giuseppe Ferro**

- Status changed from Code: Impl to Code: Rev

**#11 - 18.12.2015 09:59 - Giuseppe Ferro**

Applied corrections accordingly with revision.

**#12 - 18.12.2015 12:36 - André Neto**

- Assignee set to André Neto

**#13 - 18.12.2015 13:29 - André Neto**

- Description updated

**#14 - 18.12.2015 13:29 - André Neto**

- Status changed from Code: Rev to Unit: Rev

**#15 - 18.12.2015 14:31 - André Neto**

Merged with develop in f8219f669e7e88d7230f47ae2d86d3fb5b271e30

**#16 - 18.12.2015 14:31 - André Neto**

- Status changed from Unit: Rev to Closed

**#17 - 18.12.2015 14:32 - André Neto**

- Assignee deleted (André Neto)

**#18 - 04.01.2016 11:39 - Ivan Herrero**

- Description updated