MARTe2-core - User story #162

Lint: ThreadsDatabase

28.06.2015 19:03 - André Neto

Status:	Closed	**Start date:**	28.06.2015
Priority:	Normal	**Due date:**	
Assignee:		**% Done:**	0%
Category:		**Estimated time:**	0.00 hour
Target version:	Backlog	**Spent time:**	0.00 hour
Git branch (link):		**SVN commit (link/?p=rev):**	
Git merge to develop (link):			

Description

Verify and implement coding standard using Flexelint.

Source code files modified

- Source/Core/L0Portability/ThreadsDatabase.cpp
- Source/Core/L0Portability/ThreadsDatabase.h

Architecture & design review

Date of the review: 29/07/2015

Person who did the review: Riccardo Vitelli

Version of architecture & design document: N/A. As per the original MARTe implementation, this is a support function and does not require formal design in UML.

Result of review: N/A

List of non-conformities: N/A

Code and documentation review

Date of the review: 29/07/2015

Person who did the review: Riccardo Vitelli

Result of review: PASS (MISRA non compliant)

List of non-conformities:

- MARTe2-dev/Source/Core/L0Portability/ThreadsDatabase.cpp:92:85: Note 9025: More than two pointer indirection levels used for type 'ThreadInformation ***' [MISRA C++ Rule 5-0-19]
- MARTe2-dev/Source/Core/L0Portability/ThreadsDatabase.cpp:92:85: Note 929: cast from pointer to pointer [MISRA C++ Rule 5-2-7]
- MARTe2-dev/Source/Core/L0Portability/ThreadsDatabase.cpp:195:78: Note 925: cast from pointer to pointer [MISRA C++ Rule 5-2-8], [MISRA C++ Rule 5-2-9]
- MARTe2-dev/Source/Core/L0Portability/ThreadsDatabase.cpp:207:107: Note 9025: More than two pointer indirection levels used for type 'ThreadInformation ***' [MISRA C++ Rule 5-0-19]
- MARTe2-dev/Source/Core/L0Portability/ThreadsDatabase.cpp:207:107: Note 929: cast from pointer to pointer [MISRA C++ Rule 5-2-7]
- MARTe2-dev/Source/Core/L0Portability/ThreadsDatabase.cpp:207:118: Note 925: cast from pointer to pointer [MISRA C++ Rule 5-2-8], [MISRA C++ Rule 5-2-9]

NOTE: ThreadsDatabase should be converted to the Singleton design pattern.

Unit test review

Date of the review: 29/07/2015

Person who did the review: Ivan Herrero

Result of coverage tests review: PASS

Result of functional tests review: N/A

Result of review: FAIL

List of non-conformities:

ThreadsDatabase class has not specific unit tests, but it is actually tested through the unit tests of Threads class.

Some error paths have not been exercised on unit tests.

Associated revisions

Revision 7fce86c3 - 29.07.2015 00:36 - André Neto

Lint of Threads #160, #161 and #162 is ready for review.

Revision bd448fd6 - 29.07.2015 08:29 - André Neto

Simplified priority setting interface (#160, #161 and #162).

Revision e97f6c93 - 29.07.2015 10:47 - Riccardo Vitelli

#162 - Minor formatting corrections (following template rules), removed
unused includes.

History

#1 - 02.07.2015 17:19 - Riccardo Vitelli

- Target version set to Backlog

#2 - 02.07.2015 18:07 - Riccardo Vitelli

- Target version changed from Backlog to 0.2

#3 - 02.07.2015 18:08 - Riccardo Vitelli

- Status changed from New to Code: Impl

#4 - 29.07.2015 08:45 - Riccardo Vitelli

- Status changed from Code: Impl to Code: Rev

#5 - 29.07.2015 09:44 - Ivan Herrero

- Assignee set to Riccardo Vitelli

#6 - 29.07.2015 10:57 - Riccardo Vitelli

- Description updated

Code review made on revision e97f6c9.

#7 - 29.07.2015 10:57 - Riccardo Vitelli

- Status changed from Code: Rev to Unit: Impl

- Assignee deleted (Riccardo Vitelli)

#8 - 29.07.2015 11:15 - Riccardo Vitelli

- Status changed from Unit: Impl to Unit: Rev

#9 - 29.07.2015 11:58 - Ivan Herrero

- Description updated

Unit test review made on revision 6196fef.

#10 - 26.10.2015 15:32 - Ivan Herrero

- Target version changed from 0.2 to Backlog

#11 - 19.04.2018 09:04 - André Neto

- Status changed from Unit: Rev to Closed

Done in another user-story. DEPRECATED.