

MARTe2-core - User story #115

MARTe-EX-F-1.3.4: Framework developers shall be capable of waiting on any type of semaphore with a infinite timeout (i.e. "forever").

29.05.2015 14:18 - André Neto

Status: Closed	Start date:
Priority: Normal	Due date:
Assignee: Ivan Herrero	% Done: 0%
Category:	Estimated time: 2.00 hours
Target version: 0.2	Spent time: 0.00 hour
Git branch (link):	SVN commit (link/?p=rev):
Git merge to develop (link):	

Description

Implement requirement MARTe-EX-F-1.3.4 based on the original MARTe implementation

Note: Framework developers might be interested to wait for a shared resource until this is available, no matter how long this might take.

Source code files modified

- Source/Core/L0Portability/MutexSem.cpp
- Source/Core/L0Portability/MutexSem.h
- Source/Core/L0Portability/OperatingSystem/Linux/MutexSemOS.h
- Source/Core/L0Portability/OperatingSystem/Windows/MutexSemOS.h
- Source/Core/L0Portability/SemCore.h
- Source/Core/L0Portability/EventSem.cpp
- Source/Core/L0Portability/EventSem.h
- Source/Core/L0Portability/OperatingSystem/Linux/EventSemOS.h
- Source/Core/L0Portability/OperatingSystem/Windows/EventSemOS.h
- Source/Core/L0Portability/FastPollingMutexSem.h
- Test/Core/L0Portability/MutexSemTest.cpp
- Test/Core/L0Portability/MutexSemTest.h
- Test/Core/L0Portability/SemCoreTest.cpp
- Test/Core/L0Portability/SemCoreTest.h
- Test/Core/L0Portability/EventSemTest.cpp
- Test/Core/L0Portability/EventSemTest.h
- Test/Core/L0Portability/FastPollingMutexSemTest.cpp
- Test/Core/L0Portability/FastPollingMutexSemTest.h

Requirements review

N/A

Architecture & design review

N/A

Code and documentation review

Date of the review: 25/06/2015

Person who did the review: Ivan Herrero

Result of review: PASS

List of non-conformities: N/A

Unit test review

Date of the review: 14/07/2015

Person who did the review: Ivan Herrero

Version of unit tests: 0.2

Result of coverage tests review: PASS

Result of functional tests review: PASS

Result of review: PASS

List of non-conformities: N/A

Integration test review

N/A

Acceptance test review

N/A

Note: SemCoreTest class does not have unit test, because it has not implementation and it is not used by any other class of L0.

Associated revisions

Revision d10f7c3c - 18.06.2015 10:32 - Giuseppe Ferrò

Added MutexSem implementation.
#115 #117 #114

Revision 40b0fa40 - 18.06.2015 10:34 - Giuseppe Ferrò

Added EventSem implementation
#117 #115 #118

Revision 0eb7c1c6 - 18.06.2015 10:38 - Giuseppe Ferrò

Added FastPollingMutex implementation
#115 #117 #119

Revision 16238ec2 - 22.06.2015 14:00 - Giuseppe Ferrò

Fixed semaphore files accordingly with revision.
#115 #117 #119 #118 #114

Revision cd81fb26 - 22.06.2015 14:02 - Giuseppe Ferrò

- Fixed semaphore files accordingly with revision.
#115 #117 #119 #118 #114

Revision 4c0c6e8a - 23.06.2015 13:37 - Giuseppe Ferrò

Fixed issues accordingly with revision.
#115

Revision 192c81cf - 26.06.2015 12:01 - Giuseppe Ferrò

Added MutexSem unit tests.
Renamed previous tests as integration tests.
#116 #115 #117 #114

Revision 367679ea - 26.06.2015 12:03 - Giuseppe Ferrò

Added EventSem tests.
Renamed previous tests as integration tests.
#116 #115 #117 #118

Revision 08f24f50 - 26.06.2015 12:05 - Giuseppe Ferrò

Added FastPollingMutexSem tests.
Renamed previous tests as integration tests.
#116 #115 #117 #119

Revision c36415cb - 02.07.2015 14:42 - André Neto

Updated the FastPollingMutexSem against the agreed unit testing strategy. #115 and #116

Revision 79091e85 - 14.07.2015 17:33 - Ivan Herrero

Correct issues detected on unit testing review for #115

- Add a unit test for EventSem::IsClosed() on EventSemTest test case.
- Correct date format on file's documentation for EventSemTest.h.
- Add a unit test for MutexSem::MutexSem() on MutexSemTest test case.
- Add a unit test for MutexSem::IsClosed() on MutexSemTest test case.
- Remove unit tests TestFastLock, TestFastUnLock, TestFastTryLock, and TestFastLockErrorCode on MutexSemTest test case, because target class MutexSem does not have these methods.
- Rename FastPollingMutexTest test case to FastPollingMutexSemTest (this rename includes renaming of the file name for its container files and updating of references on cpp and makefiles).

History

#1 - 03.06.2015 11:14 - Riccardo Vitelli

- Target version changed from Backlog to 0.1
- Start date deleted (29.05.2015)
- Estimated time set to 2.00 h

#2 - 12.06.2015 10:31 - Riccardo Vitelli

- Status changed from New to Arch: Rev

#3 - 12.06.2015 11:16 - Riccardo Vitelli

- Assignee set to André Neto

#4 - 12.06.2015 18:30 - André Neto

- Description updated

#5 - 18.06.2015 09:36 - Ivan Herrero

- Status changed from Arch: Rev to Code: Impl

#6 - 18.06.2015 09:47 - Ivan Herrero

- Assignee changed from André Neto to Giuseppe Ferro

#7 - 18.06.2015 12:41 - Ivan Herrero

- Assignee changed from Giuseppe Ferro to Ivan Herrero

#8 - 18.06.2015 12:42 - Ivan Herrero

- Status changed from Code: Impl to Code: Rev

#9 - 18.06.2015 17:30 - Ivan Herrero

- Description updated

#10 - 22.06.2015 15:13 - Ivan Herrero

- Description updated
- Assignee deleted (Ivan Herrero)

Code and documentation review made. Code and documentation corrections pending.

#11 - 22.06.2015 15:18 - Ivan Herrero

- Status changed from Code: Rev to Code: Impl

#12 - 22.06.2015 17:31 - Riccardo Vitelli

- Assignee set to Giuseppe Ferro

#13 - 22.06.2015 17:33 - Riccardo Vitelli

- Status changed from Code: Impl to Code: Rev

#14 - 22.06.2015 17:34 - Riccardo Vitelli

- Assignee changed from Giuseppe Ferro to Ivan Herrero

#15 - 23.06.2015 12:20 - Ivan Herrero

- Description updated

- Assignee deleted (Ivan Herrero)

Code and documentation review made on revision b99ba9f. Code and documentation corrections pending.

#16 - 23.06.2015 18:07 - André Neto

- Status changed from Code: Rev to Code: Impl

#17 - 23.06.2015 18:07 - André Neto

- Assignee set to Giuseppe Ferro

#18 - 25.06.2015 17:18 - Riccardo Vitelli

- Status changed from Code: Impl to Code: Rev

#19 - 25.06.2015 17:19 - Riccardo Vitelli

- Assignee deleted (Giuseppe Ferro)

#20 - 25.06.2015 19:27 - Ivan Herrero

- Description updated

All corrections done.

#21 - 25.06.2015 19:29 - Ivan Herrero

- Status changed from Code: Rev to Code: Impl

#22 - 25.06.2015 19:29 - Ivan Herrero

- Status changed from Code: Impl to Unit: Impl

#23 - 26.06.2015 11:43 - Giuseppe Ferro

- Assignee set to Giuseppe Ferro

#24 - 02.07.2015 18:06 - Riccardo Vitelli

- Target version changed from 0.1 to 0.2

#25 - 07.07.2015 11:25 - Riccardo Vitelli

- Assignee deleted (Giuseppe Ferro)

#26 - 07.07.2015 11:27 - Riccardo Vitelli

- Status changed from Unit: Impl to Unit: Rev

#27 - 08.07.2015 10:48 - Ivan Herrero

- Description updated

#28 - 08.07.2015 12:14 - Ivan Herrero

- *Description updated*

#29 - 08.07.2015 12:14 - Ivan Herrero

- *Assignee set to Ivan Herrero*

#30 - 14.07.2015 17:59 - Ivan Herrero

- *Description updated*

New issues discovered but fixed by myself on commit 79091e8:

- Add a unit test for `EventSem::IsClosed()` on `EventSemTest` test case.
- Correct date format on file's documentation for `EventSemTest.h`.
- Add a unit test for `MutexSem::MutexSem()` on `MutexSemTest` test case.
- Add a unit test for `MutexSem::IsClosed()` on `MutexSemTest` test case.
- Remove unit tests `TestFastLock`, `TestFastUnLock`, `TestFastTryLock`, and `TestFastLockErrorCode` on `MutexSemTest` test case, because target class `MutexSem` does not have these methods.
- Rename `FastPollingMutexTest` test case to `FastPollingMutexSemTest` (this rename includes renaming of the file name for its container files and updating of references on `cpp` and `makefiles`).

#31 - 14.07.2015 18:02 - Ivan Herrero

- *Description updated*

#32 - 14.07.2015 18:53 - Riccardo Vitelli

- *Status changed from Unit: Rev to Closed*