

## MARTe2-core - User story #111

**MARTe-EX-F-1.2.8: A framework developer shall be capable of querying the priority of any thread that was instantiated by the framework.**

29.05.2015 14:18 - André Neto

<b>Status:</b> Closed	<b>Start date:</b>
<b>Priority:</b> Normal	<b>Due date:</b>
<b>Assignee:</b>	<b>% Done:</b> 0%
<b>Category:</b>	<b>Estimated time:</b> 2.00 hours
<b>Target version:</b> 0.2	<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

See [#160](#)

Implement requirement MARTe-EX-F-1.2.8 based on the original MARTe implementation

Note: While developing real-time systems it is important to be able to monitor and query about any thread being currently executed by the framework.

### Source code files modified

- Source/Core/L0Portability/ThreadsDatabase.h
- Source/Core/L0Portability/ThreadsDatabase.cpp
- Source/Core/L0Portability/Threads.h
- Source/Core/L0Portability/Threads.cpp
- Source/Core/L0Portability/OperatingSystem/Linux/ThreadsOS.h
- Source/Core/L0Portability/OperatingSystem/Windows/ThreadsOS.h

### Architecture & design review

**Date of the review:** 08/06/2015

**Person who did the review:** André Neto

**Version of architecture & design document:** N/A. As per the original MARTe implementation, this is a function of a support class 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:** 18/06/2015

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

**Result of review:** PASS

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

### Unit test review

**Date of the review:** 01/07/2015

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

**Result of coverage tests review:** FAIL

**Result of functional tests review:** FAIL

**Result of review:** FAIL

**List of non-conformities:**

Unit tests reviewed on [#109](#)

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## Associated revisions

### Revision 67764feb - 11.06.2015 07:56 - Giuseppe Ferrò

Implemented threads functionalities described in redmine #103 #104 #112 #107 #108 #111 #105 #106 #110 #109

### Revision 994894f0 - 12.06.2015 08:52 - Giuseppe Ferrò

Implemented class priorities and thread priorities functionalities described in #109 #111

### Revision f048da13 - 17.06.2015 12:10 - Giuseppe Ferrò

Moved THREADS\_DEFAULT\_STACKSIZE in GeneralDefinitionsOS.h.

Formatted code with new templates.

Fixed errors accordingly with the revision.

#109 #110 #106 #105 #111 #108 #107 #112 #113 #104 #103

### Revision 5d7c7a45 - 18.06.2015 08:09 - Giuseppe Ferrò

Fixed errors accordingly with revision.

#103 #104 #112 #107 #108 #111 #105 #106

### Revision 56f896af - 23.06.2015 16:59 - Giuseppe Ferrò

Added Threads and ThreadsDatabase tests.

#110 #123 #103 #104 #112 #107 #108 #111 #106 #105 #109 #113

### Revision a1ee0477 - 25.06.2015 13:37 - Giuseppe Ferrò

Added Threads unit tests.

Renamed previous tests because they are integration tests.

#110 #123 #103 #104 #112 #107 #108 #111 #106 #105 #109 #113

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## History

### #1 - 03.06.2015 10:43 - Riccardo Vitelli

- Target version changed from Backlog to 0.1

- Start date deleted (29.05.2015)

- Estimated time set to 2.00 h

### #2 - 08.06.2015 09:26 - Riccardo Vitelli

- Status changed from New to Arch: Rev

### #3 - 08.06.2015 09:27 - Riccardo Vitelli

- Assignee set to André Neto

### #4 - 08.06.2015 13:15 - André Neto

- Description updated

### #5 - 08.06.2015 17:54 - Riccardo Vitelli

- Status changed from Arch: Rev to Code: Impl

### #6 - 08.06.2015 17:54 - Riccardo Vitelli

- Assignee changed from André Neto to Giuseppe Ferro

**#7 - 12.06.2015 10:29 - Riccardo Vitelli**

- Status changed from Code: Impl to Code: Rev

**#8 - 12.06.2015 11:16 - Riccardo Vitelli**

- Assignee changed from Giuseppe Ferro to Ivan Herrero

**#9 - 17.06.2015 09:47 - Ivan Herrero**

- Description updated

**#10 - 17.06.2015 09:55 - Ivan Herrero**

- Description updated

**#11 - 18.06.2015 09:48 - Ivan Herrero**

- Assignee changed from Ivan Herrero to Giuseppe Ferro

**#12 - 18.06.2015 17:18 - Ivan Herrero**

- Description updated

- Assignee deleted (Giuseppe Ferro)

**#13 - 18.06.2015 17:18 - Ivan Herrero**

- Status changed from Code: Rev to Unit: Impl

**#14 - 18.06.2015 18:18 - Ivan Herrero**

Code and documentation review passed. Unit testing implementation pending.

**#15 - 25.06.2015 17:22 - Riccardo Vitelli**

- Status changed from Unit: Impl to Unit: Rev

**#16 - 01.07.2015 16:58 - Ivan Herrero**

- Description updated

- Assignee set to Ivan Herrero

Unit test review made on revision 8b64124 [FAIL].

Note: It is currently being refactored.

**#17 - 01.07.2015 17:57 - Riccardo Vitelli**

- Assignee deleted (Ivan Herrero)

**#18 - 01.07.2015 17:59 - Riccardo Vitelli**

- Status changed from Unit: Rev to Unit: Impl

**#19 - 02.07.2015 18:06 - Riccardo Vitelli**

- Target version changed from 0.1 to 0.2

**#20 - 16.07.2015 09:28 - Riccardo Vitelli**

- Status changed from Unit: Impl to Code: Impl

**#21 - 29.07.2015 15:14 - Riccardo Vitelli**

- Description updated

**#22 - 29.07.2015 15:14 - Riccardo Vitelli**

- Status changed from Code: Impl to Closed