

## MARTe2-core - User story #313

### Bug\_fixing\_demo

15.11.2016 14:24 - André Neto

<b>Status:</b> Closed	<b>Start date:</b> 15.11.2016
<b>Priority:</b> Normal	<b>Due date:</b>
<b>Assignee:</b> André Neto	<b>% Done:</b> 0%
<b>Category:</b>	<b>Estimated time:</b> 0.00 hour
<b>Target version:</b> 0.12	<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

Solve this issues found during the IO demo:

- Load classes from DLL in run-time; (SOLVED)
- BufferedStreamGenerator for File, UDPSocket and other streams is not working; (SOLVED)
- Improve documentation on timing DataSourceel signal names (SOLVED)
- Improve documentation DataSourceel Locked parameter (value must be specified as 1 and not as true) (SOLVED)
- Do not remove signals from the DataSourceel even these are not consumed or produced by a GAM (IT WAS NOT A BUG)
- The EmbeddedThreadl has to allow to specify affinity and friends (SOLVED)
- Allow to Trigger the DataSourceel at a precise point in time (Feature added)
- Solved many small bugs on the GAMScheduler and on the FileSystem/L3Streams

## Source code files modified

## Architecture & design review

**Date of the review:** 15/11/2016

**Person who did the review:** Andre' Neto

**Version of architecture & design document:** N/A.

**Result of review:** N/A

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

## Code and documentation review

**Date of the review:** 28/11/2016

**Person who did the review:** Andre' Neto (in an independent PC)

**Result of review:** PASS

**List of non-conformities:**

./Source/Core/FileSystem/L1Portability/Environment/Linux/BasicSocket.cpp:59:16: Warning 1506: Call to virtual function 'MARTe::BasicSocket::IsValid(void) const' within a constructor or destructor [MISRA C++ Rule 12-1-1]  
./Source/Core/Scheduler/L5GAMs/GAMScheduler.cpp:170:82: Note 9153: viable set contains both function 'MARTe::MultiThreadService::MultiThreadService (line 60, file ./Source/Core/Scheduler/L3Services/MultiThreadService.h)' and template 'MARTe::MultiThreadService::MultiThreadService (line 261, file ./Source/Core/Scheduler/L3Services/MultiThreadService.h)' [MISRA C++ Rule 14-8-2]  
./Source/Core/Scheduler/L3Services/MultiThreadService.h:60:1: Info 830: Location cited in prior message  
./Source/Core/Scheduler/L4Messages/QueuedMessage1.cpp:47:37: Note 9153: viable set contains both function 'MARTe::SingleThreadService::SingleThreadService (line 65, file ./Source/Core/Scheduler/L3Services/SingleThreadService.h, module ./Source/Core/Scheduler/L5GAMs/GAMScheduler.cpp)' and template 'MARTe::SingleThreadService::SingleThreadService

(line 160, file ./Source/Core/Scheduler/L3Services/SingleThreadService.h)' [MISRA C++ Rule 14-8-2]  
./Source/Core/Scheduler/L3Services/SingleThreadService.h:65:1: Info 830: Location cited in prior message  
Note 974: Worst case function for stack usage: 'MARTe::ConfigurationDatabase::Copy' is recursive, loop contains call to  
'MARTe::ConfigurationDatabase::Copy'. See [stack for a full report](#). [MISRA C+ Rule 7-5-4]

## Unit test review

**Date of the review:** 28/11/2016

**Person who did the review:** Andre' Neto

**Result of coverage tests review:** PASS

**Result of functional tests review:** PASS

**Result of review:** PASS

### List of non-conformities:

[ FAILED ] 5 tests, listed below:  
[ FAILED ] ThreadsGTest.TestGetThreadInfoCopy  
[ FAILED ] ThreadsGTest.TestPriority  
[ FAILED ] IOBufferGTest.TestPrintStructuredDataInterface  
[ FAILED ] HighResolutionTimerGTest.TestCounter  
[ FAILED ] HighResolutionTimerGTest.TestCounter32

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## History

**#1 - 15.11.2016 14:36 - André Neto**

- Description updated

**#2 - 16.11.2016 11:48 - André Neto**

- Description updated

**#3 - 16.11.2016 17:50 - André Neto**

- Description updated

**#4 - 17.11.2016 15:39 - André Neto**

- Description updated

**#5 - 28.11.2016 14:19 - André Neto**

- Status changed from Code: Impl to Code: Rev

**#6 - 28.11.2016 14:47 - André Neto**

- Description updated

- Status changed from Code: Rev to Unit: Rev

**#7 - 28.11.2016 14:47 - André Neto**

- Description updated

**#8 - 28.11.2016 15:34 - André Neto**

- Status changed from Unit: Rev to Closed