

## MARTe2-components - User story #619

### LinuxTimer with plugins (from FAT tools)

03.09.2020 09:43 - André Neto

<b>Status:</b> Closed	<b>Start date:</b> 03.09.2020
<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>	<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>	
<b>Description</b> Design new (generic) timer component based on plugins (see FAT tools).	

#### History

#1 - 24.02.2021 09:44 - André Neto

- Status changed from New to Code: Impl

#2 - 24.02.2021 09:45 - André Neto

- Assignee set to Giuseppe Avon

#3 - 05.03.2021 08:53 - Giuseppe Avon

DESCRIBE CHANGES TODO

#### General

Information

```
The following files were detected as changed between branches #619_LinuxTimer and develop
EclipseLcov.local.sh
Lint/marte_components_flint_files.lnt
Source/Components/DataSources/LinuxTimer/HighResolutionTimeProvider.cpp
Source/Components/DataSources/LinuxTimer/HighResolutionTimeProvider.h
Source/Components/DataSources/LinuxTimer/LinuxTimer.cpp
Source/Components/DataSources/LinuxTimer/LinuxTimer.h
Source/Components/DataSources/LinuxTimer/Makefile.gcc
Source/Components/DataSources/LinuxTimer/Makefile.inc
Source/Components/DataSources/LinuxTimer/TimeProvider.cpp
Source/Components/DataSources/LinuxTimer/TimeProvider.h
Test/Components/DataSources/LinuxTimer/LinuxTimerGTest.cpp
Test/Components/DataSources/LinuxTimer/LinuxTimerTest.cpp
Test/Components/DataSources/LinuxTimer/LinuxTimerTest.h
```

OK: no errors found.

## Requirements review

**Date of the review:** 04/03/2021

**Person who did the review:** TODO

**Version of requirements:** TODO

**Result of review:** TODO

**List of non-conformities:** TODO

**Comments:** TODO

# Architecture & design review

Date of the review: 04/03/2021

Person who did the review: TODO

Version of architecture & design document: TODO

Result of review: TODO

List of non-conformities: TODO

Comments: TODO

# Code and documentation review

Date of the review: 04/03/2021

Person who did the review: TODO

Version of source code: a1d1b205f7e208219cb57bc5d9bfad3b7296264a

Result of review: TODO

List of non-conformities:

Run flexelint and report TODO

## Headers

OK: All headers are correctly formatted

OK: no errors found.

## Lint includes

OK: All files are being included for linting

OK: no errors found.

## Linter

ERR: /home/gavon/MARTE2-dev/MakeDefaults/Lint/marte\_flint\_exceptions.lnt 15

ERR: ./Source/Components/GAMs/StatisticsGAM/StatisticsGAM.cpp:398:92: Info 826: Suspicious pointer-to-pointer conversion (area too small)

ERR: ./Source/Components/GAMs/StatisticsGAM/StatisticsGAM.cpp:403:92: Info 826: Suspicious pointer-to-pointer conversion (area too small)

ERR: ./Source/Components/GAMs/StatisticsGAM/StatisticsGAM.cpp:408:92: Info 826: Suspicious pointer-to-pointer conversion (area too small)

ERR: ./Source/Components/GAMs/StatisticsGAM/StatisticsGAM.cpp:418:94: Info 826: Suspicious pointer-to-pointer conversion (area too small)

ERR: ./Source/Components/GAMs/StatisticsGAM/StatisticsGAM.cpp:423:94: Info 826: Suspicious pointer-to-pointer conversion (area too small)

ERR: ./Source/Components/GAMs/StatisticsGAM/StatisticsGAM.cpp:428:94: Info 826: Suspicious pointer-to-pointer conversion (area too small)

ERR: ./Source/Components/GAMs/StatisticsGAM/StatisticsGAM.cpp:433:96: Info 826: Suspicious pointer-to-pointer conversion (area too small)

ERR: ./Source/Components/GAMs/StatisticsGAM/StatisticsGAM.cpp:438:96: Info 826: Suspicious pointer-to-pointer conversion (area too small)

ERR: Note 974: Worst case function for stack usage: 'MARTE::MDSStructuredData::Copy' is recursive, loop contains call to 'MARTE::MDSStructuredData::Copy'. See [stack for a full report](#). [MISRA C++ Rule 7-5-4]

## Doxygen

ERR: warning: Tag `XML\_SCHEMA' at line 1788 of file `Doxyfile' has become obsolete.

ERR: warning: Tag `XML\_DTD' at line 1794 of file `Doxyfile' has become obsolete.

ERR: warning: source ./Docs/Assets/Snippets/Parsing/MathGrammar.ll is not a readable file or directory... skipping.

ERR: /home/gavon/Projects/MARTE2-components/Source/Components/Interfaces/OPCUA/OPCUATypes.h:45: warning: Compound OPCUA::NodeProperties is not documented.

ERR: /home/gavon/Projects/MARTE2-components/Source/Components/Interfaces/OPCUA/OPCUATypes.h:60: warning: Compound OPCUA::ObjectProperties is not documented.

ERR: /home/gavon/Projects/MARTE2-components/Source/Components/Interfaces/EPICSPVA/EPICSPVAStructureData.h:354: warning: Member EPICSPVAStructureData::ReadArray< std::string >(epics::pvData::PVScalarArrayPtr scalarArrayPtr, AnyType &storedType, const AnyType &value) (function) of namespace MARTE is not documented.

ERR: /home/gavon/Projects/MARTE2-components/Source/Components/Interfaces/EPICSPVA/EPICSPVAStructureData.h:417: warning: Member EPICSPVAStructureData::WriteArray< std::string >(epics::pvData::PVScalarArrayPtr scalarArrayPtr, AnyType &storedType, const AnyType &value, const uint32 &size) (function) of namespace MARTE is not documented.

ERR: /home/gavon/Projects/MARTE2-components/Source/Components/Interfaces/OPCUA/OPCUATypes.h:54: warning: Member OPCUANodeSettings (typedef) of namespace OPCUA is not documented.

ERR: /home/gavon/Projects/MARTE2-components/Source/Components/Interfaces/OPCUA/OPCUATypes.h:68: warning: Member OPCUAObjectSettings (typedef) of namespace OPCUA is not documented.

ERR: /home/gavon/Projects/MARTE2-components/Source/Components/DataSources/LoggerDataSource/LoggerBroker.h:76: warning: Member SetPeriod(const uint32 cyclePeriodIn) (function) of class MARTE::LoggerBroker is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/DataSources/LoggerDataSource/LoggerDataSource.h:68: warning: Member Initialise(StructuredData &data) (function) of class MARTE::LoggerDataSource is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/DataSources/OPCUADDataSource/OPCUAClientMethod.h:90: warning: argument 'nodePaths' of command @param is not found in the argument list of MARTE::OPCUAClientMethod::SetMethodRequest(const uint16 methodNamespaceIndex, StreamString methodPath)

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/DataSources/OPCUADDataSource/OPCUAClientMethod.h:95: warning: The following parameters of MARTE::OPCUAClientMethod::SetMethodRequest(const uint16 methodNamespaceIndex, StreamString methodPath) are not documented:

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/DataSources/OPCUADDataSource/OPCUAClientMethod.h:79: warning: argument 'nodePaths' of command @param is not found in the argument list of MARTE::OPCUAClientMethod::SetObjectRequest(const uint16 methodNamespaceIndex, StreamString methodPath)

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/DataSources/OPCUADDataSource/OPCUAClientMethod.h:84: warning: The following parameters of MARTE::OPCUAClientMethod::SetObjectRequest(const uint16 methodNamespaceIndex, StreamString methodPath) are not documented:

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:129: warning: The following parameters of MARTE::SimulinkData::PrintData(const uint64 maxLength=0u, StreamString additionalText="") are not documented:

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:272: warning: Member runningOffset (variable) of class MARTE::SimulinkPort is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:273: warning: Member typeBasedSize (variable) of class MARTE::SimulinkPort is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:274: warning: Member offsetBasedSize (variable) of class MARTE::SimulinkPort is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:275: warning: Member CAPISize (variable) of class MARTE::SimulinkPort is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:277: warning: Member baseAddress (variable) of class MARTE::SimulinkPort is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:278: warning: Member lastSignalAddress (variable) of class MARTE::SimulinkPort is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:272: warning: Member runningOffset (variable) of class MARTE::SimulinkPort is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:273: warning: Member typeBasedSize (variable) of class MARTE::SimulinkPort is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:274: warning: Member offsetBasedSize (variable) of class MARTE::SimulinkPort is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:275: warning: Member CAPISize (variable) of class MARTE::SimulinkPort is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:277: warning: Member baseAddress (variable) of class MARTE::SimulinkPort is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:278: warning: Member lastSignalAddress (variable) of class MARTE::SimulinkPort is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:272: warning: Member runningOffset (variable) of class MARTE::SimulinkPort is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:273: warning: Member typeBasedSize (variable) of class MARTE::SimulinkPort is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:274: warning: Member offsetBasedSize (variable) of class MARTE::SimulinkPort is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:275: warning: Member CAPISize (variable) of class MARTE::SimulinkPort is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:277: warning: Member baseAddress (variable) of class MARTE::SimulinkPort is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:278: warning: Member lastSignalAddress (variable) of class MARTE::SimulinkPort is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:294: warning: explicit link request to 'offsetBasedSize' could not be resolved

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/Interfaces/OPCUA/OPCUATypes.h:46: warning: Member attr (variable) of class OPCUA::NodeProperties is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/Interfaces/OPCUA/OPCUATypes.h:47: warning: Member value (variable) of class OPCUA::NodeProperties is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/Interfaces/OPCUA/OPCUATypes.h:48: warning: Member nodeId (variable) of class OPCUA::NodeProperties is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/Interfaces/OPCUA/OPCUATypes.h:49: warning: Member nodeName (variable) of class OPCUA::NodeProperties is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/Interfaces/OPCUA/OPCUATypes.h:50: warning: Member parentNodeId (variable) of class OPCUA::NodeProperties is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/Interfaces/OPCUA/OPCUATypes.h:51: warning: Member parentReferenceNodeId (variable) of class OPCUA::NodeProperties is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/Interfaces/OPCUA/OPCUATypes.h:61: warning: Member attr (variable) of class OPCUA::ObjectProperties is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/Interfaces/OPCUA/OPCUATypes.h:62: warning: Member nodeId (variable) of class OPCUA::ObjectProperties is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/Interfaces/OPCUA/OPCUATypes.h:63: warning: Member nodeName (variable) of class OPCUA::ObjectProperties is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/Interfaces/OPCUA/OPCUATypes.h:64: warning: Member parentNodeId (variable) of class OPCUA::ObjectProperties is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/Interfaces/OPCUA/OPCUATypes.h:65: warning: Member

parentReferenceNodeId (variable) of class OPCUA::ObjectProperties is not documented.

## Unit test review

**Date of the review:** 04/03/2021

**Person who did the review:** TODO

**Version of source code:** a1d1b205f7e208219cb57bc5d9bfad3b7296264a

**Result of coverage tests review:** TODO

**Result of functional tests review:** TODO

**Result of review:** TODO

**Comments:** TODO

**List of non-conformities:**

### Functional tests

**ERR:** Test file not found: Test/Components/DataSources/LinuxTimer/HighResolutionTimeProviderGTest.cpp

**ERR:** Test file not found: Test/Components/DataSources/LinuxTimer/TimeProviderGTest.cpp

**OK:** All public methods are being tested at least once

### GTest

**ERR:** Failed to retrieve test information from: Build/gtest\_results\_2.xml

**ERR:** Failed to retrieve test information from: Build/gtest\_results\_to\_compare\_2.xml

**WARN:** Number of errors has not changed (but there are still errors). Number of tests: 1087. Current branch: 1. Reference branch: 1

**OK:** Number of tests increased. Current branch: 1087. Reference branch: 1080

### Coverage

**WARN:** DataSources/LinuxTimer/LinuxTimer.cpp: was modified. line coverage is still OK (but has decreased). This branch (96.6 % >= 90.0 %). Reference branch (97.9 % >= 90.0 %)

**OK:** DataSources/LinuxTimer...lutionTimeProvider.cpp: is new. Line coverage is OK: (100.0 % >= 90.0 %)

**OK:** DataSources/LinuxTimer/TimeProvider.cpp: is new. Line coverage is OK: (100.0 % >= 90.0 %)

**OK:** Interfaces/SysLogger/SysLogger.cpp: was modified. line coverage is still OK. This branch (98.5 % >= 90.0 %). Reference branch (24.6 % >= 90.0 %)

**OK:** No coverage errors found

## Integration test review

**Date of the review:** 04/03/2021

**Person who did the review:** TODO

**Version of source code:** a1d1b205f7e208219cb57bc5d9bfad3b7296264a

**Result of review:** N/A

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

**Comments:** N/A

## Acceptance test review

**Date of the review:** 04/03/2021

**Person who did the review:** TODO

**Version of source code:** a1d1b205f7e208219cb57bc5d9bfad3b7296264a

**Result of review:** N/A

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

**Comments:** N/A

#4 - 05.03.2021 08:54 - André Neto

- Status changed from Code: Impl to Unit: Rev

#### #5 - 05.03.2021 08:54 - André Neto

- Assignee changed from Giuseppe Avon to André Neto

#### #6 - 05.03.2021 09:00 - André Neto

- Status changed from Unit: Rev to Code: Impl

#### #7 - 05.03.2021 09:00 - André Neto

- Assignee changed from André Neto to Giuseppe Avon

#### #8 - 06.03.2021 07:57 - Giuseppe Avon

DESCRIBE CHANGES TODO

### General

#### Information

The following files were detected as changed between branches #619\_LinuxTimer and develop  
EclipseLcov.local.sh

Lint/marte\_components\_flint\_files.lnt

Lint/marte\_components\_flint\_jenkins.lnt

Source/Components/DataSources/FileDataSource/FileWriter.cpp

Source/Components/DataSources/FileDataSource/FileWriter.h

Source/Components/DataSources/LinuxTimer/HighResolutionTimeProvider.cpp

Source/Components/DataSources/LinuxTimer/HighResolutionTimeProvider.h

Source/Components/DataSources/LinuxTimer/LinuxTimer.cpp

Source/Components/DataSources/LinuxTimer/LinuxTimer.h

Source/Components/DataSources/LinuxTimer/Makefile.gcc

Source/Components/DataSources/LinuxTimer/Makefile.inc

Source/Components/DataSources/LinuxTimer/TimeProvider.cpp

Source/Components/DataSources/LinuxTimer/TimeProvider.h

Source/Components/GAMs/SimulinkWrapperGAM/Makefile.inc

Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.cpp

Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h

Source/Components/GAMs/SimulinkWrapperGAM/SimulinkWrapperGAM.cpp

Source/Components/GAMs/SimulinkWrapperGAM/SimulinkWrapperGAM.h

Test/Components/DataSources/LinuxTimer/HighResolutionTimeProviderGTest.cpp

Test/Components/DataSources/LinuxTimer/HighResolutionTimeProviderTest.cpp

Test/Components/DataSources/LinuxTimer/HighResolutionTimeProviderTest.h

Test/Components/DataSources/LinuxTimer/LinuxTimerGTest.cpp

Test/Components/DataSources/LinuxTimer/LinuxTimerTest.cpp

Test/Components/DataSources/LinuxTimer/LinuxTimerTest.h

Test/Components/DataSources/LinuxTimer/Makefile.cov

Test/Components/DataSources/LinuxTimer/Makefile.gcc

Test/Components/DataSources/LinuxTimer/Makefile.inc

Test/Components/DataSources/LinuxTimer/TimeProviderTest.cpp

Test/Components/DataSources/LinuxTimer/TimeProviderTest.h

Test/Components/GAMs/SimulinkWrapperGAM/Makefile.inc

Test/Components/GAMs/SimulinkWrapperGAM/SimulinkWrapperGAMGTest.cpp

Test/Components/GAMs/SimulinkWrapperGAM/SimulinkWrapperGAMTest.cpp

Test/Components/GAMs/SimulinkWrapperGAM/SimulinkWrapperGAMTest.h

Test/Components/GAMs/SimulinkWrapperGAM/createTestModel.m

OK: no errors found.

## Requirements review

Date of the review: 06/03/2021

Person who did the review: TODO

Version of requirements: TODO

Result of review: TODO

List of non-conformities: TODO

Comments: TODO

# Architecture & design review

Date of the review: 06/03/2021

Person who did the review: TODO

Version of architecture & design document: TODO

Result of review: TODO

List of non-conformities: TODO

Comments: TODO

# Code and documentation review

Date of the review: 06/03/2021

Person who did the review: TODO

Version of source code: 2a13df83eb2755eb76e85023abbc5e7b943a73bb

Result of review: TODO

List of non-conformities:

Run flexelint and report TODO

## Headers

ERR: Invalid #includes sorted in file Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h  
ERR: Invalid #includes sorted in file Source/Components/GAMs/SimulinkWrapperGAM/SimulinkWrapperGAM.cpp  
ERR: Invalid #includes sorted in file Test/Components/GAMs/SimulinkWrapperGAM/SimulinkWrapperGAMTest.cpp

## Lint includes

OK: All files are being included for linting  
OK: no errors found.

## Linter

ERR: /home/gavon/MARTE2-dev/MakeDefaults/Lint/marte\_flint\_exceptions.lnt 15  
ERR: ./Source/Components/GAMs/StatisticsGAM/StatisticsGAM.cpp:398:92: Info 826: Suspicious pointer-to-pointer conversion (area too small)  
ERR: ./Source/Components/GAMs/StatisticsGAM/StatisticsGAM.cpp:403:92: Info 826: Suspicious pointer-to-pointer conversion (area too small)  
ERR: ./Source/Components/GAMs/StatisticsGAM/StatisticsGAM.cpp:408:92: Info 826: Suspicious pointer-to-pointer conversion (area too small)  
ERR: ./Source/Components/GAMs/StatisticsGAM/StatisticsGAM.cpp:418:94: Info 826: Suspicious pointer-to-pointer conversion (area too small)  
ERR: ./Source/Components/GAMs/StatisticsGAM/StatisticsGAM.cpp:423:94: Info 826: Suspicious pointer-to-pointer conversion (area too small)  
ERR: ./Source/Components/GAMs/StatisticsGAM/StatisticsGAM.cpp:428:94: Info 826: Suspicious pointer-to-pointer conversion (area too small)  
ERR: ./Source/Components/GAMs/StatisticsGAM/StatisticsGAM.cpp:433:96: Info 826: Suspicious pointer-to-pointer conversion (area too small)  
ERR: ./Source/Components/GAMs/StatisticsGAM/StatisticsGAM.cpp:438:96: Info 826: Suspicious pointer-to-pointer conversion (area too small)  
ERR: Note 974: Worst case function for stack usage: 'MARTE::MDSStructuredData::Copy' is recursive, loop contains call to 'MARTE::MDSStructuredData::Copy'. See [stack for a full report](#). [MISRA C+ Rule 7-5-4]

## Doxygen

ERR: warning: Tag `XML\_SCHEMA' at line 1788 of file `Doxyfile' has become obsolete.  
ERR: warning: Tag `XML\_DTD' at line 1794 of file `Doxyfile' has become obsolete.  
ERR: warning: source ./Docs/Assets/Snippets/Parsing/MathGrammar.ll is not a readable file or directory... skipping.  
ERR: /home/gavon/Projects/MARTE2-components/Source/Components/Interfaces/OPCUA/OPCUATypes.h:45: warning: Compound OPCUA::NodeProperties is not documented.  
ERR: /home/gavon/Projects/MARTE2-components/Source/Components/Interfaces/OPCUA/OPCUATypes.h:60: warning: Compound OPCUA::ObjectProperties is not documented.  
ERR: /home/gavon/Projects/MARTE2-components/Source/Components/Interfaces/EPICSPVA/EPICSPVAStructureData.h:354: warning: Member EPICSPVAStructureData::ReadArray< std::string >(epics::pvData::PVScalarArrayPtr scalarArrayPtr, AnyType &storedType, const AnyType &value) (function) of namespace MARTE is not documented.  
ERR: /home/gavon/Projects/MARTE2-components/Source/Components/Interfaces/EPICSPVA/EPICSPVAStructureData.h:417: warning: Member EPICSPVAStructureData::WriteArray< std::string >(epics::pvData::PVScalarArrayPtr scalarArrayPtr, AnyType &storedType, const AnyType &value, const uint32 &size) (function) of namespace MARTE is not documented.  
ERR: /home/gavon/Projects/MARTE2-components/Source/Components/Interfaces/OPCUA/OPCUATypes.h:54: warning: Member OPCUANodeSettings (typedef) of namespace OPCUA is not documented.  
ERR: /home/gavon/Projects/MARTE2-components/Source/Components/Interfaces/OPCUA/OPCUATypes.h:68: warning: Member OPCUAObjectSettings (typedef) of namespace OPCUA is not documented.  
ERR: /home/gavon/Projects/MARTE2-components/Source/Components/DataSources/LoggerDataSource/LoggerBroker.h:76: warning: Member



SetPeriod(const uint32 cyclePeriodIn) (function) of class MARTe::LoggerBroker is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/DataSources/LoggerDataSource/LoggerDataSource.h:68: warning: Member Initialise(StructuredData &data) (function) of class MARTe::LoggerDataSource is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/DataSources/OPCUADDataSource/OPCUAClientMethod.h:90: warning: argument 'nodePaths' of command @param is not found in the argument list of MARTe::OPCUAClientMethod::SetMethodRequest(const uint16 methodNamespaceIndex, StreamString methodPath)

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/DataSources/OPCUADDataSource/OPCUAClientMethod.h:95: warning: The following parameters of MARTe::OPCUAClientMethod::SetMethodRequest(const uint16 methodNamespaceIndex, StreamString methodPath) are not documented:

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/DataSources/OPCUADDataSource/OPCUAClientMethod.h:79: warning: argument 'nodePaths' of command @param is not found in the argument list of MARTe::OPCUAClientMethod::SetObjectRequest(const uint16 methodNamespaceIndex, StreamString methodPath)

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/DataSources/OPCUADDataSource/OPCUAClientMethod.h:84: warning: The following parameters of MARTe::OPCUAClientMethod::SetObjectRequest(const uint16 methodNamespaceIndex, StreamString methodPath) are not documented:

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:129: warning: The following parameters of MARTe::SimulinkData::PrintData(const uint64 maxLength=0u, StreamString additionalText="") are not documented:

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:272: warning: Member runningOffset (variable) of class MARTe::SimulinkPort is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:273: warning: Member typeBasedSize (variable) of class MARTe::SimulinkPort is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:274: warning: Member offsetBasedSize (variable) of class MARTe::SimulinkPort is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:275: warning: Member CAPISize (variable) of class MARTe::SimulinkPort is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:277: warning: Member baseAddress (variable) of class MARTe::SimulinkPort is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:278: warning: Member lastSignalAddress (variable) of class MARTe::SimulinkPort is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:272: warning: Member runningOffset (variable) of class MARTe::SimulinkPort is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:273: warning: Member typeBasedSize (variable) of class MARTe::SimulinkPort is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:274: warning: Member offsetBasedSize (variable) of class MARTe::SimulinkPort is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:275: warning: Member CAPISize (variable) of class MARTe::SimulinkPort is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:277: warning: Member baseAddress (variable) of class MARTe::SimulinkPort is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:278: warning: Member lastSignalAddress (variable) of class MARTe::SimulinkPort is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:272: warning: Member runningOffset (variable) of class MARTe::SimulinkPort is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:273: warning: Member typeBasedSize (variable) of class MARTe::SimulinkPort is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:274: warning: Member offsetBasedSize (variable) of class MARTe::SimulinkPort is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:275: warning: Member CAPISize (variable) of class MARTe::SimulinkPort is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:277: warning: Member baseAddress (variable) of class MARTe::SimulinkPort is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:278: warning: Member lastSignalAddress (variable) of class MARTe::SimulinkPort is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:294: warning: explicit link request to 'offsetBasedSize' could not be resolved

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/Interfaces/OPCUA/OPCUATypes.h:46: warning: Member attr (variable) of class OPCUA::NodeProperties is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/Interfaces/OPCUA/OPCUATypes.h:47: warning: Member value (variable) of class OPCUA::NodeProperties is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/Interfaces/OPCUA/OPCUATypes.h:48: warning: Member nodeId (variable) of class OPCUA::NodeProperties is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/Interfaces/OPCUA/OPCUATypes.h:49: warning: Member nodeName (variable) of class OPCUA::NodeProperties is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/Interfaces/OPCUA/OPCUATypes.h:50: warning: Member parentNodeId (variable) of class OPCUA::NodeProperties is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/Interfaces/OPCUA/OPCUATypes.h:51: warning: Member parentReferenceNodeId (variable) of class OPCUA::NodeProperties is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/Interfaces/OPCUA/OPCUATypes.h:61: warning: Member attr (variable) of class OPCUA::ObjectProperties is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/Interfaces/OPCUA/OPCUATypes.h:62: warning: Member nodeId (variable) of class OPCUA::ObjectProperties is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/Interfaces/OPCUA/OPCUATypes.h:63: warning: Member nodeName (variable) of class OPCUA::ObjectProperties is not documented.

**ERR:** /home/gavon/Projects/MARTE2-components/Source/Components/Interfaces/OPCUA/OPCUATypes.h:64: warning: Member parentNodeId (variable) of class OPCUA::ObjectProperties is not documented.

**ERR:** /home/gavon/Projects/MARTe2-components/Source/Components/Interfaces/OPCUA/OPCUATypes.h:65: warning: Member parentReferenceNodeId (variable) of class OPCUA::ObjectProperties is not documented.

## Unit test review

**Date of the review:** 06/03/2021

**Person who did the review:** TODO

**Version of source code:** 2a13df83eb2755eb76e85023abbc5e7b943a73bb

**Result of coverage tests review:** TODO

**Result of functional tests review:** TODO

**Result of review:** TODO

**Comments:** TODO

**List of non-conformities:**

### Functional tests

**ERR:** Test file not found: Test/Components/DataSources/LinuxTimer/TimeProviderGTest.cpp

**OK:** All public methods are being tested at least once

### GTest

**ERR:** Failed to retrieve test information from: Build/gtest\_results\_2.xml

**ERR:** Failed to retrieve test information from: Build/gtest\_results\_to\_compare\_2.xml

**WARN:** Number of errors has decreased (but there are still errors). Number of tests: 1092. Current branch: 1. Reference branch: 2

**OK:** Number of tests increased. Current branch: 1092. Reference branch: 1080

### Coverage

**WARN:** DataSources/LinuxTimer/LinuxTimer.cpp: was modified. line coverage is still OK (but has decreased). This branch (96.6 % >= 90.0 %). Reference branch (97.9 % >= 90.0 %)

**OK:** DataSources/LinuxTimer...lutionTimeProvider.cpp: is new. Line coverage is OK: (100.0 % >= 90.0 %)

**OK:** DataSources/LinuxTimer/TimeProvider.cpp: is new. Line coverage is OK: (100.0 % >= 90.0 %)

**OK:** No coverage errors found

## Integration test review

**Date of the review:** 06/03/2021

**Person who did the review:** TODO

**Version of source code:** 2a13df83eb2755eb76e85023abbc5e7b943a73bb

**Result of review:** N/A

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

**Comments:** N/A

## Acceptance test review

**Date of the review:** 06/03/2021

**Person who did the review:** TODO

**Version of source code:** 2a13df83eb2755eb76e85023abbc5e7b943a73bb

**Result of review:** N/A

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

**Comments:** N/A

**#9 - 25.03.2021 09:02 - André Neto**

- Status changed from Code: Impl to Unit: Rev



**#10 - 25.03.2021 09:02 - André Neto**

- Assignee deleted (*Giuseppe Avon*)

**#11 - 26.03.2021 14:57 - André Neto**

- Status changed from Unit: Rev to Closed

See [#745](#)