

MARTe2-components - User story #745

LinuxTimer TCN plugin (from FAT-tools)

05.03.2021 08:56 - André Neto

Status:	Closed	Start date:	05.03.2021
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:		Spent time:	0.00 hour
Git branch (link):		SVN commit (link/?p=rev):	
Git merge to develop (link):			
Description DESCRIBE CHANGES TODO			
General			
Information			
The following files were detected as changed between branches #745_LinuxTimer_TCNPlugin and develop Lint/marte_components_flint_files.lnt QAHelper.sh 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/Interfaces/Makefile.cov Source/Components/Interfaces/Makefile.inc Source/Components/Interfaces/TcnTimeProvider/Makefile.cov Source/Components/Interfaces/TcnTimeProvider/Makefile.gcc Source/Components/Interfaces/TcnTimeProvider/Makefile.inc Source/Components/Interfaces/TcnTimeProvider/TcnTimeProvider.cpp Source/Components/Interfaces/TcnTimeProvider/TcnTimeProvider.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/Interfaces/Makefile.cov Test/Components/Interfaces/Makefile.inc Test/Components/Interfaces/TcnTimeProvider/.gitignore Test/Components/Interfaces/TcnTimeProvider/Makefile.cov Test/Components/Interfaces/TcnTimeProvider/Makefile.gcc Test/Components/Interfaces/TcnTimeProvider/Makefile.inc Test/Components/Interfaces/TcnTimeProvider/TcnTimeProviderGTest.cpp Test/Components/Interfaces/TcnTimeProvider/TcnTimeProviderTest.cpp Test/Components/Interfaces/TcnTimeProvider/TcnTimeProviderTest.h			

OK: no errors found.

Requirements review

Date of the review: 26/03/2021

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: 26/03/2021

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: 26/03/2021

Person who did the review: TODO

Version of source code: 2efe6d137e0bfc829ee07f6d5dc689e8a8723447

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/aneto/MARTE2-dev/MakeDefaults/Lint/marte_flint_exceptions.lnt 15

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/aneto/Projects/MARTe2-components/Source/Components/Interfaces/OPCUA/OPCUATypes.h:45: warning: Compound OPCUA::NodeProperties is not documented.

ERR: /home/aneto/Projects/MARTe2-components/Source/Components/Interfaces/OPCUA/OPCUATypes.h:60: warning: Compound OPCUA::ObjectProperties is not documented.

ERR: /home/aneto/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/aneto/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/aneto/Projects/MARTe2-components/Source/Components/Interfaces/OPCUA/OPCUATypes.h:54: warning: Member OPCUANodeSettings (typedef) of namespace OPCUA is not documented.

ERR: /home/aneto/Projects/MARTe2-components/Source/Components/Interfaces/OPCUA/OPCUATypes.h:68: warning: Member OPCUAObjectSettings (typedef) of namespace OPCUA is not documented.

ERR: /home/aneto/Projects/MARTe2-components/Source/Components/DataSources/ProfinetDataSource/Docs/README.md:286: warning: Unsupported xml/html tag <osal> found

ERR: /home/aneto/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/aneto/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/aneto/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/aneto/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/aneto/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/aneto/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/aneto/Projects/MARTe2-components/Source/Components/DataSources/ProfinetDataSource/ProfinetDataSource.h:339: warning: expected tag but found TK_LNKWORD token instead!

ERR: /home/aneto/Projects/MARTe2-components/Source/Components/DataSources/ProfinetDataSource/ProfinetDataSource.h:622: warning: unexpected end of comment while inside block

ERR: /home/aneto/Projects/MARTe2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:126: warning: The following parameters of MARTe::SimulinkData::PrintData(const uint64 maxNameLength=0u, StreamString additionalText="") are not documented:

ERR: /home/aneto/Projects/MARTe2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:269: warning: Member runningOffset (variable) of class MARTe::SimulinkPort is not documented.

ERR: /home/aneto/Projects/MARTe2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:270: warning: Member typeBasedSize (variable) of class MARTe::SimulinkPort is not documented.

ERR: /home/aneto/Projects/MARTe2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:271: warning: Member offsetBasedSize (variable) of class MARTe::SimulinkPort is not documented.

ERR: /home/aneto/Projects/MARTe2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:272: warning: Member CAPISize (variable) of class MARTe::SimulinkPort is not documented.

ERR: /home/aneto/Projects/MARTe2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:274: warning: Member baseAddress (variable) of class MARTe::SimulinkPort is not documented.

ERR: /home/aneto/Projects/MARTe2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:275: warning: Member lastSignalAddress (variable) of class MARTe::SimulinkPort is not documented.

ERR: /home/aneto/Projects/MARTe2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:269: warning: Member runningOffset (variable) of class MARTe::SimulinkPort is not documented.

ERR: /home/aneto/Projects/MARTe2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:270: warning: Member typeBasedSize (variable) of class MARTe::SimulinkPort is not documented.

ERR: /home/aneto/Projects/MARTe2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:271: warning: Member offsetBasedSize (variable) of class MARTe::SimulinkPort is not documented.

ERR: /home/aneto/Projects/MARTe2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:272: warning: Member CAPISize (variable) of class MARTe::SimulinkPort is not documented.

ERR: /home/aneto/Projects/MARTe2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:274: warning: Member baseAddress (variable) of class MARTe::SimulinkPort is not documented.

ERR: /home/aneto/Projects/MARTe2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:275: warning: Member lastSignalAddress (variable) of class MARTe::SimulinkPort is not documented.

ERR: /home/aneto/Projects/MARTe2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:269: warning: Member runningOffset (variable) of class MARTe::SimulinkPort is not documented.
ERR: /home/aneto/Projects/MARTe2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:270: warning: Member typeBasedSize (variable) of class MARTe::SimulinkPort is not documented.
ERR: /home/aneto/Projects/MARTe2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:271: warning: Member offsetBasedSize (variable) of class MARTe::SimulinkPort is not documented.
ERR: /home/aneto/Projects/MARTe2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:272: warning: Member CAPISize (variable) of class MARTe::SimulinkPort is not documented.
ERR: /home/aneto/Projects/MARTe2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:274: warning: Member baseAddress (variable) of class MARTe::SimulinkPort is not documented.
ERR: /home/aneto/Projects/MARTe2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:275: warning: Member lastSignalAddress (variable) of class MARTe::SimulinkPort is not documented.
ERR: /home/aneto/Projects/MARTe2-components/Source/Components/GAMs/SimulinkWrapperGAM/SimulinkClasses.h:291: warning: explicit link request to 'offsetBasedSize' could not be resolved
ERR: /home/aneto/Projects/MARTe2-components/Source/Components/Interfaces/OPCUA/OPCUATypes.h:46: warning: Member attr (variable) of class OPCUA::NodeProperties is not documented.
ERR: /home/aneto/Projects/MARTe2-components/Source/Components/Interfaces/OPCUA/OPCUATypes.h:47: warning: Member value (variable) of class OPCUA::NodeProperties is not documented.
ERR: /home/aneto/Projects/MARTe2-components/Source/Components/Interfaces/OPCUA/OPCUATypes.h:48: warning: Member nodeId (variable) of class OPCUA::NodeProperties is not documented.
ERR: /home/aneto/Projects/MARTe2-components/Source/Components/Interfaces/OPCUA/OPCUATypes.h:49: warning: Member nodeName (variable) of class OPCUA::NodeProperties is not documented.
ERR: /home/aneto/Projects/MARTe2-components/Source/Components/Interfaces/OPCUA/OPCUATypes.h:50: warning: Member parentNodeId (variable) of class OPCUA::NodeProperties is not documented.
ERR: /home/aneto/Projects/MARTe2-components/Source/Components/Interfaces/OPCUA/OPCUATypes.h:51: warning: Member parentReferenceNodeId (variable) of class OPCUA::NodeProperties is not documented.
ERR: /home/aneto/Projects/MARTe2-components/Source/Components/Interfaces/OPCUA/OPCUATypes.h:61: warning: Member attr (variable) of class OPCUA::ObjectProperties is not documented.
ERR: /home/aneto/Projects/MARTe2-components/Source/Components/Interfaces/OPCUA/OPCUATypes.h:62: warning: Member nodeId (variable) of class OPCUA::ObjectProperties is not documented.
ERR: /home/aneto/Projects/MARTe2-components/Source/Components/Interfaces/OPCUA/OPCUATypes.h:63: warning: Member nodeName (variable) of class OPCUA::ObjectProperties is not documented.
ERR: /home/aneto/Projects/MARTe2-components/Source/Components/Interfaces/OPCUA/OPCUATypes.h:64: warning: Member parentNodeId (variable) of class OPCUA::ObjectProperties is not documented.
ERR: /home/aneto/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: 26/03/2021

Person who did the review: TODO

Version of source code: 2efe6d137e0bfc829ee07f6d5dc689e8a8723447

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

WARN: Number of errors has not changed (but there are still errors). Number of tests: 1866. Current branch: 10. Reference branch: 10

OK: Number of tests increased. Current branch: 1866. Reference branch: 1843

Unsolved Failing Tests

ERR: Test_Read_ExtensionObject_Complex
ERR: Test_Read_ExtensionObject_Array
ERR: Test_Write_ExtensionObject_Complex
ERR: Test_Write_ExtensionObject_Array
ERR: TestOPCUAMethodCall_Array
ERR: Test_Read_ExtensionObject_Complex
ERR: Test_Read_ExtensionObject_Array
ERR: Test_Write_ExtensionObject_Complex
ERR: Test_Write_ExtensionObject_Array
ERR: TestOPCUAMethodCall_Array

New Failing Tests

Solved Failing Tests

Coverage

ERR: DataSources/EPICSCA/EPICSCAInput.cpp: insufficient line coverage: (1.5 % < 90.0 %). Reference branch (91.4 % < 90.0 %)
ERR: DataSources/EPICSCA/EPICSCAInput.h: insufficient line coverage (new file): (0.0 % < 90.0 %)
ERR: DataSources/EPICSCA/EPICSCAOutput.cpp: insufficient line coverage: (1.2 % < 90.0 %). Reference branch (99.0 % < 90.0 %)
)
ERR: DataSources/EPICSPVA/EPICSPVChannelWrapper.cpp: insufficient line coverage: (0.4 % < 90.0 %). Reference branch (94.5 % < 90.0 %)
ERR: DataSources/EPICSPVA/EPICSPVChannelWrapper.h: insufficient line coverage: (0.0 % < 90.0 %). Reference branch (90.3 % < 90.0 %)
ERR: DataSources/EPICSPVA/EPICSPVAInput.cpp: insufficient line coverage: (2.2 % < 90.0 %). Reference branch (97.8 % < 90.0 %)
)
ERR: DataSources/EPICSPVA/EPICSPVAOutput.cpp: insufficient line coverage: (1.9 % < 90.0 %). Reference branch (100.0 % < 90.0 %)
ERR: DataSources/OPCUADDataSource/OPCUAClientI.cpp: insufficient line coverage: (0.9 % < 90.0 %). Reference branch (87.0 % < 90.0 %)
ERR: DataSources/OPCUADDataSource/OPCUAClientMethod.cpp: insufficient line coverage: (0.3 % < 90.0 %). Reference branch (85.5 % < 90.0 %)
ERR: DataSources/OPCUADDataSource/OPCUAClientRead.cpp: insufficient line coverage: (0.5 % < 90.0 %). Reference branch (83.1 % < 90.0 %)
ERR: DataSources/OPCUADDataSource/OPCUAClientWrite.cpp: insufficient line coverage: (0.3 % < 90.0 %). Reference branch (84.5 % < 90.0 %)
ERR: DataSources/OPCUADDataSource/OPCUADSInput.cpp: insufficient line coverage: (0.5 % < 90.0 %). Reference branch (97.1 % < 90.0 %)
ERR: DataSources/OPCUADDataSource/OPCUADSOutput.cpp: insufficient line coverage: (0.6 % < 90.0 %). Reference branch (92.4 % < 90.0 %)
ERR: Interfaces/EPICS/EPICSCAClient.cpp: insufficient line coverage: (3.8 % < 90.0 %). Reference branch (77.1 % < 90.0 %)
ERR: Interfaces/EPICS/EPICSPV.cpp: insufficient line coverage: (1.1 % < 90.0 %). Reference branch (98.2 % < 90.0 %)
ERR: Interfaces/EPICSPVA/EP...tryDatabaseService.cpp: insufficient line coverage: (4.5 % < 90.0 %). Reference branch (100.0 % < 90.0 %)
ERR: Interfaces/EPICSPVA/EPICSPVA2V3Service.cpp: insufficient line coverage: (1.1 % < 90.0 %). Reference branch (97.8 % < 90.0 %)
ERR: Interfaces/EPICSPVA/EPICSPVADatabase.cpp: insufficient line coverage: (2.7 % < 90.0 %). Reference branch (91.9 % < 90.0 %)
ERR: Interfaces/EPICSPVA/EPICSPVAHelper.cpp: insufficient line coverage: (0.3 % < 90.0 %). Reference branch (96.2 % < 90.0 %)
ERR: Interfaces/EPICSPVA/EPICSPVAMessageI.cpp: insufficient line coverage: (5.1 % < 90.0 %). Reference branch (94.9 % < 90.0 %)
ERR: Interfaces/EPICSPVA/EPICSPVARecord.cpp: insufficient line coverage: (1.1 % < 90.0 %). Reference branch (92.9 % < 90.0 %)
)
ERR: Interfaces/EPICSPVA/EPICSPVAStructureDataI.cpp: insufficient line coverage: (0.3 % < 90.0 %). Reference branch (92.5 % < 90.0 %)
ERR: Interfaces/EPICSPVA/EPICSPVAStructureDataI.h: insufficient line coverage: (0.0 % < 90.0 %). Reference branch (98.5 % < 90.0 %)
ERR: Interfaces/EPICSPVA/EPICSRPCCClient.cpp: insufficient line coverage: (10.7 % < 90.0 %). Reference branch (89.3 % < 90.0 %)
)
ERR: Interfaces/EPICSPVA/EP...lientMessageFilter.cpp: insufficient line coverage: (4.1 % < 90.0 %). Reference branch (91.8 % < 90.0 %)
ERR: Interfaces/EPICSPVA/EPICSRPCServer.cpp: insufficient line coverage: (3.9 % < 90.0 %). Reference branch (92.2 % < 90.0 %)
)
ERR: Interfaces/EPICSPVA/EPICSRPCService.cpp: insufficient line coverage: (20.0 % < 90.0 %). Reference branch (100.0 % <

90.0 %)

ERR: Interfaces/EPICSPVA/EPICSRPCServiceAdapter.cpp: insufficient line coverage: (10.0 % < 90.0 %). Reference branch (100.0 % < 90.0 %)

ERR: Interfaces/OPCUA/OPCUAMessageClient.cpp: insufficient line coverage: (0.9 % < 90.0 %). Reference branch (78.9 % < 90.0 %)

ERR: Interfaces/OPCUA/OPCUANode.cpp: insufficient line coverage: (2.2 % < 90.0 %). Reference branch (97.8 % < 90.0 %)

ERR: Interfaces/OPCUA/OPCUAObject.cpp: insufficient line coverage: (7.7 % < 90.0 %). Reference branch (100.0 % < 90.0 %)

ERR: Interfaces/OPCUA/OPCUAReferenceContainer.cpp: insufficient line coverage: (3.6 % < 90.0 %). Reference branch (100.0 % < 90.0 %)

ERR: Interfaces/OPCUA/OPCUAServer.cpp: insufficient line coverage: (1.0 % < 90.0 %). Reference branch (94.4 % < 90.0 %)

OK: DataSources/EpicsDataSource/Platform.cpp: insufficient line coverage (but has improved): (84.5 % < 90.0 %). Reference branch (81.0 % < 90.0 %)

OK: DataSources/EpicsDataSource/SharedDataArea.cpp: was modified. line coverage is still OK. This branch (95.8 % >= 90.0 %). Reference branch (94.4 % >= 90.0 %)

OK: DataSources/FileDataSource/FileReader.cpp: was modified. line coverage is still OK. This branch (96.8 % >= 90.0 %). Reference branch (96.6 % >= 90.0 %)

Integration test review

Date of the review: 26/03/2021

Person who did the review: TODO

Version of source code: 2efe6d137e0bfc829ee07f6d5dc689e8a8723447

Result of review: N/A

List of non-conformities: N/A

Comments: N/A

Acceptance test review

Date of the review: 26/03/2021

Person who did the review: TODO

Version of source code: 2efe6d137e0bfc829ee07f6d5dc689e8a8723447

Result of review: N/A

List of non-conformities: N/A

Comments: N/A

History

#1 - 25.03.2021 09:02 - André Neto

- Status changed from Code: Impl to Unit: Rev

#2 - 25.03.2021 09:02 - André Neto

- Assignee deleted (Giuseppe Avon)

#3 - 26.03.2021 15:00 - André Neto

- Status changed from Unit: Rev to Closed

- Description updated

Merged in commit: 2efe6d137e0bfc829ee07f6d5dc689e8a8723447