MARTe2-core - Test #284

MARTe2 QA-audit (v0.9)

27.11.2015 15:55 - André Neto

Status:	Closed		**Start date:**	27.11.2015
Priority:	Normal		**Due date:**	04.12.2015
Assignee:			**% Done:**	0%
Category:			**Estimated time:**	0.00 hour
Target version:	0.9		**Spent time:**	0.00 hour

Description

Requirements review

Date of the review: 09/12/2015

Person who did the review: Ivan Herrero

Version of requirements: 0.9

Result of review: N/A

List of non-conformities: N/A

Comments: As per the original MARTe implementation, the user stories of this sprint are support functions and do not require formal requirements.

Architecture & design review

Date of the review: 09/12/2015

Person who did the review: Ivan Herrero

Version of architecture & design document: 0.9

Result of review: N/A

List of non-conformities: N/A

Comments: As per the original MARTe implementation, the user stories of this sprint are support functions and do not require formal design.

Code and documentation review

Date of the review: 09/12/2015

Person who did the review: Ivan Herrero

Version of source code: 0.9

Result of review: PASS

List of non-conformities:

- [#248](#) - Documentation of LocalHostInfo in InternetHost.cpp is missing both in Linux and Windows
- [#275](#) - As a pattern DirectoryScanner should use LinkedListHolder and not inherit from it.
- [#279](#) - A new user story ([#286](#)) has been added for fixing pending lint errors.

Unit test review

Date of the review: 09/12/2015

Person who did the review: Ivan Herrero

Version of unit tests: 0.9

Result of coverage tests review: PASS

Result of functional tests review: PASS

Result of review: PASS

List of non-conformities:

- [#248](#) - It is not clear if the HeapManager.TestFreeInvalidPointer crashes in Windows (a user-story to handle this has to be created)

- [#248](#)
  The following list of tests (unrelated to this user-story fail):
  [FAILED] 9 tests, listed below:
  [FAILED] BasicFileGTest.TestOpen_FLAG_CREAT_EXCLUSIVE
  [FAILED] ThreadsGTest.TestBeginThreadStacksize0
  [FAILED] MutexSemGTest.TestIsRecursive
  [FAILED] MutexSemGTest.TestRecursiveOff
  [FAILED] LoadableLibraryGTest.TestOpenCloseLibrary
  [FAILED] LoadableLibraryGTest.TestCloseLibrary
  [FAILED] LoadableLibraryGTest.TestLoadFunction
  [FAILED] LoadableLibraryGTest.TestLoadFunctionSquareBracketsOperator
  [FAILED] LoadableLibraryGTest.TestGetModule

- [#275](#)
  Some tests have failed, but the user story has been accepted.
  [FAILED] DirectoryGTest.TestGetLastAccessTime_ReRead
  [FAILED] DirectoryGTest.TestGetLastAccessTime_ReRead2
  [FAILED] DirectoryGTest.TestScanFilter
  Randome failures in TestScanFilter to be investigated.
  These two tests require http://www.groovypost.com/howto/microsoft/enable-last-access-time-stamp-to-files-folder-windows-7/ to be setup (but it needs admin rights)
  [FAILED] BasicTCPSocketGTest.TestConnect
  [FAILED] BasicTCPSocketGTest.TestRead
  These tests fail randomly and seem to be associated to the quantity of open sockets (to be investigated in a later user-story).

- [#278](#)
  Note 1: It compiles on Linux with all tests, but on Windows it is necessary to deactivate the DirectoryScannerTest, DirectoryTest, SelectTest, DirectoryScannerGTest, DirectoryGTest, and SelectGTest.
  Note 2: The execution of the unit tests on Windows reports the following issues:
  [FAILED] HighResolutionTimerGTest.TestGetTimeStamp
  [FAILED] LoadableLibraryGTest.TestOpenCloseLibrary
  [FAILED] LoadableLibraryGTest.TestCloseLibrary
  [FAILED] LoadableLibraryGTest.TestLoadFunction
  [FAILED] LoadableLibraryGTest.TestLoadFunctionSquareBracketsOperator
  [FAILED] LoadableLibraryGTest.TestGetModule
  [FAILED] MutexSemGTest.TestIsRecursive
  [FAILED] MutexSemGTest.TestRecursiveOff
  [FAILED] ThreadsGTest.TestBeginThreadStacksize0

Integration test review

Date of the review: 09/12/2015

Person who did the review: Ivan Herrero

Version of integration tests: 0.9

Result of review: N/A

List of non-conformities: N/A

Comments: As per the original MARTe implementation, the user stories of this sprint are support functions and do not require formal integration tests.

Acceptance test review

Date of the review: 09/12/2015

Person who did the review: Ivan Herrero

Version of acceptance tests: 0.9

Result of review: N/A

List of non-conformities: N/A

Comments: As per the original MARTe implementation, the user stories of this sprint are support functions and do not require formal acceptance tests.

History

#1 - 30.11.2015 15:57 - Ivan Herrero

- Due date set to 04.12.2015

#2 - 09.12.2015 11:30 - Ivan Herrero

- Description updated

#3 - 04.01.2016 12:19 - Ivan Herrero

- Status changed from New to Closed