

## MARTe2-core - User story #275

### Directory Windows

13.11.2015 15:36 - André Neto

<b>Status:</b> Closed	<b>Start date:</b> 13.11.2015
<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> 0.9	<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

Implement Directory (for Windows) based on the previous MARTe implementation.

### Source code files modified

Source/Core/BareMetal/L0Types/Architecture/x86\_cl/CompilerTypes.h  
Source/Core/FileSystem/L1Portability/Directory.h  
Source/Core/FileSystem/L1Portability/DirectoryScanner.h  
Source/Core/FileSystem/L1Portability/Environment/Linux/DirectoryScanner.cpp  
Source/Core/FileSystem/L1Portability/Environment/Windows/BasicSocket.cpp  
Source/Core/FileSystem/L1Portability/Environment/Windows/BasicUDPSocket.cpp  
Source/Core/FileSystem/L1Portability/Environment/Windows/Directory.cpp  
Source/Core/FileSystem/L1Portability/Environment/Windows/DirectoryScanner.cpp  
Source/Core/FileSystem/L1Portability/Environment/Windows/Select.cpp  
Source/Core/FileSystem/L1Portability/Environment/Windows/SelectProperties.h  
Source/Core/FileSystem/L1Portability/Select.h  
Test/Core/FileSystem/L1Portability/BasicTCPSocketTest.cpp  
Test/Core/FileSystem/L1Portability/DirectoryScannerTest.cpp  
Test/Core/FileSystem/L1Portability/DirectoryTest.cpp  
Test/Core/FileSystem/L1Portability/SelectTest.cpp  
Test/GTest/BasicTCPSocketGTest.cpp  
Test/GTest/Makefile.inc

### Architecture & design review

**Date of the review:** 11/13/2015

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

**Version of architecture & design document:** N/A. As per the original MARTe implementation, this is a support function 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:** 09/12/2015

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

**Result of review:** PASS

**List of non-conformities:**

As a pattern DirectoryScanner should use LinkedListHolder and not inherit from it.

## Unit test review

**Date of the review:** 09/12/2015

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

**Result of coverage tests review:** N/A

**Result of functional tests review:** PASS

**Result of review:** FAIL

### List of non-conformities:

[ FAILED ] DirectoryGTest.TestGetLastAccessTime\_ReRead  
[ FAILED ] DirectoryGTest.TestGetLastAccessTime\_ReRead2  
[ FAILED ] DirectoryGTest.TestScanFilter

Random 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).

### Associated revisions

---

#### Revision 584d4d3f - 16.11.2015 11:07 - André Neto

Merge remote-tracking branch 'origin/#255\_Directories' into #275\_Directory\_Windows

Conflicts:

Source/Core/FileSystem/L1Portability/Environment/Linux/Makefile.inc  
Source/Core/FileSystem/L1Portability/Makefile.inc  
Test/Core/FileSystem/L1Portability/Makefile.inc  
Test/GTest/Makefile.inc

#### Revision 27f0a071 - 18.11.2015 09:06 - André Neto

#275 Directory compiling. DirectoryScanner in progress.

#### Revision 96882f41 - 18.11.2015 09:32 - André Neto

#275 Added directory files for windows implementation

#### Revision d7a8579c - 18.11.2015 14:26 - André Neto

#275 Directory\_Windows waiting for BasicFile

#### Revision 2b17128d - 23.11.2015 14:56 - André Neto

#275\_Directory\_Windows

Unit test done. Accesstime fails.

#### Revision 3cd5b0b3 - 02.12.2015 12:55 - André Neto

#275 - Add Directory, DirectoryScanner and test for Windows

Add Select

#### Revision 5cfc8c08 - 09.12.2015 09:50 - Frank Perez

#275 Directory and Select ready for code revision.

**Revision 98f83348 - 09.12.2015 10:10 - Frank Perez**

Merge branch 'develop' into #275\_Directory\_Windows\_bis

Conflicts:

Test/GTest/Makefile.inc

**History**

---

**#1 - 16.11.2015 16:47 - Frank Perez**

- Status changed from New to Code: Impl

**#2 - 16.11.2015 16:48 - Frank Perez**

Note: merged from [#253](#) (console)

**#3 - 25.11.2015 17:32 - Ivan Herrero**

- Tracker changed from Design to User story

**#4 - 27.11.2015 15:33 - André Neto**

- Target version changed from 0.8 to 0.9

**#5 - 09.12.2015 09:51 - André Neto**

- Status changed from Code: Impl to Code: Rev

**#6 - 09.12.2015 09:51 - André Neto**

- Assignee changed from Frank Perez to André Neto

**#7 - 09.12.2015 09:55 - André Neto**

- Description updated

**#8 - 09.12.2015 09:55 - André Neto**

- Status changed from Code: Rev to Unit: Impl

**#9 - 09.12.2015 09:55 - André Neto**

- Assignee changed from André Neto to Frank Perez

**#10 - 09.12.2015 09:55 - André Neto**

- Status changed from Unit: Impl to Unit: Rev

**#11 - 09.12.2015 09:55 - André Neto**

- Assignee changed from Frank Perez to André Neto

**#12 - 09.12.2015 10:09 - André Neto**

- Description updated

**#13 - 09.12.2015 10:12 - André Neto**

Merged with develop in commit: 5cfc8c0877c6c29cd635d82f15c8488087419c7c

**#14 - 09.12.2015 10:12 - André Neto**

- Status changed from Unit: Rev to Closed

**#15 - 09.12.2015 11:14 - Ivan Herrero**

- Description updated