

TYPO3.Flow - Bug #8432

Fix Symlink support for Windows OS

2010-06-22 10:57 - Bastian Waidelich

Status:	Resolved	Start date:	2010-06-22
Priority:	Must have	Due date:	
Assignee:	Bastian Waidelich	% Done:	100%
Category:	Resource	Estimated time:	0.00 hour
Target version:	1.0 alpha 11	Complexity:	
PHP Version:			
Has patch:			
Description			
With version 5.3 PHP supports symlinks on Windows >= Vista. symlink(\$target, \$link) works indeed on my Windows 7 machine. But is_link(\$link) returns FALSE. That's why the unit test			
<pre>F3\FLOW3\Resource\Publishing\FileSystemPublishingTargetTest::mirrorFileSymLinksTheGivenFileIfTheSettingSaysSo()</pre>			
fails on Windows.			
A solution might be to use readlink() instead of is_link() as readlink() returns the same for \$target and \$link (the path to the target)..			
Related issues:			
Related to TYPO3.Flow - Task #8056: Remove configuration option for mirrorMode		Closed	

Associated revisions

Revision 56b6ac99 - 2010-07-15 14:20 - Bastian Waidelich

[+BUGFIX] FLOW3: Added helper function \F3\FLOW3\Utility\Files::is_link() that works on Windows too. This resolves #8432.

Revision 4862 - 2010-07-15 14:20 - Bastian Waidelich

[+BUGFIX] FLOW3: Added helper function \F3\FLOW3\Utility\Files::is_link() that works on Windows too. This resolves #8432.

History

#1 - 2010-06-25 15:00 - Karsten Dambekalns

- Status changed from New to Needs Feedback

- Assignee set to Karsten Dambekalns

From the PHP manual about readlink():

This will trigger a warning and return false if you pass it a non-symlink.

This is something we don't want, no warnings please. So we'd have to check for the OS as well.

Given that what we see is a bug in PHP...

<http://bugs.php.net/bug.php?id=52175>

<http://bugs.php.net/bug.php?id=51766>

wait until they fix it?

#2 - 2010-07-15 13:15 - Bastian Waidelich

- Status changed from Needs Feedback to Accepted

- Assignee changed from Karsten Dambekalns to Bastian Waidelich

After a short chat with Karsten, we found out:

readlink() does not trigger a warning on Windows as long as you pass it a path to an existing file/folder or symlink.

Because the symlink integration is implemented very deep in the Windows filesystem, I doubt that PHP will be able to fix this issue soon. So we decided to add a new utility helper function F3\FLOW3\Utility\Files::is_link() that uses the readlink() workaround on Windows.

#3 - 2010-07-15 14:21 - Bastian Waidelich

- *Status changed from Accepted to Resolved*

- *% Done changed from 0 to 100*

Applied in changeset r4862.

#4 - 2010-07-19 08:01 - Karsten Dambekalns

- *Target version set to 1.0 alpha 11*