

TYPO3.Flow - Bug # 491

Status:	Resolved	Priority:	Should have
Author:	Christoph Blömer	Category:	Resource
Created:	2008-05-08	Assigned To:	Karsten Dambekalns
Updated:	2010-10-20	Due date:	
PHP Version:			
Has patch:			
Complexity:			
Affected Flow version:			
Subject:	FLOW3 not working under Windows		
Description			
<p>After Revision 784 I get this StackTrace under Windows Vista. I also checked it on Ubuntu 8.04. It works on Linux.</p> <p>So because the Core Developers "only" have a Mac Book I post it here ;-)</p> <p>On Windows Vista I get a "500 Internal Server Error" when I use index.php and following StackTrace when I use index_dev.php:</p> <p>Warning: mkdir() [function.mkdir]: Invalid argument in D:\xampp\htdocs\demo\Packages\FLOW3\Classes\Utility\F3_FLOW3_Utility_Files.php line 112</p> <p>F3_FLOW3_Error_Exception thrown in file D:\xampp\htdocs\demo\Packages\FLOW3\Classes>Error\F3_FLOW3_Error_ErrorHandler.php in line 87.</p> <p>6 F3_FLOW3_Error_ErrorHandler::handleError(2, "mkdir() [<a "'="" \$path="" '"',="" .="" 1170251400);<="" could="" create="" directory="" href='fu...>]: Invalid argume",
"D:\xampp\htdocs\demo...W3_Utility_Files.p", 112, array)</p><p>D:\xampp\htdocs\demo\Packages\FLOW3\Classes\Utility\F3_FLOW3_Utility_Files.php:</p><pre>00110: if (!is_dir(\$currentPath) && F3_PHP6_Functions::strlen(\$directoryName) > 0) { 00111: \$oldMask = umask(000); 00112: mkdir(\$currentPath, 0777); 00113: umask(\$oldMask); 00114: if (!is_dir(\$currentPath)) throw new F3_FLOW3_Utility_Exception(' not="" pre=""><p>5 F3_FLOW3_Utility_Files::createDirectoryRecursively("D:\xampp\htdocs\demo...docs\demo\Packages", 511)</p><p>D:\xampp\htdocs\demo\Packages\FLOW3\Classes\Resource\F3_FLOW3_Resource_Publisher.php:<pre>00155: \$metadata = \$this->extractResourceMetadata(\$URI); 00156: 00157: F3_FLOW3_Utility_Files::createDirectoryRecursively(\$destinationPath . dirname(\$relativeFile)); 00158: if(\$metadata['mimeType'] == 'text/html') { 00159: \$HTML = F3_FLOW3_Resource_Processor::adjustRelativePathsInHTML(file_get_contents(\$file), 'Resources/' . \$packageName . '/Public/' . dirname(\$relativeFile) . '/');</pre><p>4 F3_FLOW3_Resource_Publisher::mirrorPublicPackageResources("D:\xampp\htdocs\demo...Resources/Public\C")</p><p>D:\xampp\htdocs\demo\Packages\FLOW3\Classes\F3_FLOW3.php:<pre>00271: \$activePackages = \$packageManager->getActivePackages(); 00272: foreach (\$activePackages as \$packageKey => \$package) {</pre></p></p></p>			

```
00273: $resourcePublisher->mirrorPublicPackageResources($packageKey);
00274: }
00275:
```

Related issues:

related to TYPO3.Flow - Task # 497: Remove createDirectoryRecursively() and r...

Resolved

2008-05-09

Associated revisions**Revision 18450f59 - 2008-05-10 15:07 - Karsten Dambekalns**

Added a new method to F3_FLOW3_Utility_Files to convert a path to unix style and using that in some places. This fixes #491, we hope. Thanks to Tim and Malte for helping with this.

History**#1 - 2008-05-08 23:35 - Tim Eilers**

its not only a vista only problem. i do have exactly the same on windows xp (with xampp).

it would really be nice if the exception catcher prints out parameters full, not shortened! i noticed that several times.

#2 - 2008-05-09 01:13 - Tim Eilers

After long way of bug searching i found out that:

Windows is to lazy to create dirs recursively, so in my opinion every "mkdir" call in whole FLOW3 needs parameter recursive set to true, at least in F3_FLOW3_Utility_Files.php, line 112 (which is the only point where mkdir is used in FLOW3 at the moment):

```
mkdir($currentPath, 0777, TRUE);
```

it doesn't hurt on linux based systems (not tested yet) and makes it work under windows.

another bigger problem is the occurence of "C:\", creating pathes like

"C:/xampp/htdocs/FLOW3/Public/Resources/ExtJS/Public/C:/xampp/htdocs/FLOW3/Packag...." will definitely not work!

don't know how to fix that in a nice way. i think windows should be supported. i hope with a bit work in F3_FLOW3_Resource_Publisher (function mirrorPublicPackageResources) this can be solved. But now i need sleep, good night! :)

#3 - 2008-05-09 19:25 - Karsten Dambekalns

- *Status changed from New to Needs Feedback*

#497 changed the mkdir use in F3_FLOW3_Utility_Files, please check if that helps (partly).

#4 - 2008-05-09 23:36 - Karsten Dambekalns

- *Status changed from Needs Feedback to Accepted*

Still open, the mkdir() change did not solve it, as reported by Tim Eilers.

#5 - 2008-05-09 23:53 - Tim Eilers

- *File patch_windows_flow3_bug_491.diff added*

the mkdir change is ok, that should resist.

i did some very little changes which solve the problem nearly (see patch in attachment). but there is still a problem on the first dry run with clean Temp and clean Public folder which sounds like this:

```
Warning: mkdir() [function.mkdir]: File exists in C:\xampp\htdocs\FLOW3\Packages\FLOW3\Classes\Utility\F3_FLOW3_Utility_Files.php line 107
```

while trying to create:

```
C:\xampp\htdocs\FLOW3/Public/Resources/TestPackage/Public/.
```

i believe some "is_dir" check fails somewhere, but can't see it where...

#6 - 2008-05-10 00:32 - Tim Eilers

- *File patch_windows_flow3_bug_491_alternative.diff added*

i created an alternative patch, which cares for the "forward slash everywhere" (see attachment). but the "File exists" problem is still there on the first call with clean caches/tempdirs.

#7 - 2008-05-10 10:36 - Malte Jansen

- *File FLOW3_491_v1_Backslashes_in_Path.patch added*

Not just the backslashes must be replaced, but also the double slashes (to be comparable).

I have created a function for it, because it's used there several times. At this place there is not CM, so the function must be located in the F3_FLOW3 as static.

```
public static function getUnixStylePath($path) {  
    return str_replace('/', '\\', str_replace('\\', '/', $path));  
}
```

#8 - 2008-05-10 10:41 - Malte Jansen

- *File FLOW3_491_v2_Backslashes_in_Path.patch added*

Just one a spelling mistake...

#9 - 2008-05-10 11:27 - Tim Eilers

@Malte

good idea. but i looked at the patch and wondered, why you aren't using the function in F3_FLOW3_Utility_Files? (in your patch there is still a str_replace)

#10 - 2008-05-10 15:01 - Karsten Dambekalns

- Subject changed from *FLOW3 not working under Windows Vista.* to *FLOW3 not working under Windows*

#11 - 2008-05-10 15:07 - Karsten Dambekalns

- Status changed from *Accepted* to *Resolved*

- % Done changed from *0* to *100*

Applied in changeset r829.

Files

patch_windows_flow3_bug_491.diff	2 kB	2008-05-09	Tim Eilers
patch_windows_flow3_bug_491_alternative.diff	1.9 kB	2008-05-10	Tim Eilers
FLOW3_491_v1_Backslashes_in_Path.patch	2.1 kB	2008-05-10	Malte Jansen
FLOW3_491_v2_Backslashes_in_Path.patch	2.1 kB	2008-05-10	Malte Jansen