

TYPO3.Flow - Bug #44000

Flow CLI on Windows does not work anymore

2012-12-14 11:10 - Adrian Förder

Status:	Resolved	Start date:	2012-12-14
Priority:	Must have	Due date:	
Assignee:	Bastian Waidelich	% Done:	100%
Category:	Cli	Estimated time:	0.00 hour
Target version:		Complexity:	
PHP Version:			
Has patch:	No		
Description			
when calling flow on Windows (on the native cmd shell), the following occurs:			
<pre>Flow: Invalid root path. (Error #1248964375) "/" does not lead to "C:/Users/afoder/PhpstormProjects/acme/Distribution/Packages/Framework/TYPO3.Flow/"</pre>			
Related issues:			
Related to TYPO3.Flow - Bug #31642: call a cli script with absolute path does...		Resolved	2011-11-07

Associated revisions

Revision 6a4c6dfb - 2013-03-13 18:56 - Adrian Förder

[BUGFIX] Flow CLI again works for Windows command prompt

Probably introduced with lbd70e2dc8ff3a958a33ad0eb422060dc0fd8b799, the Flow CLI call via the provided .bat file didn't work anymore because the used ``\$_SERVER['PHP_SELF']`` will behave differently for the flow shell and the flow.bat file: in case of the shell, the actual ``Scripts/flow.php`` file will be **included**, while in case of the .bat file, the ``Scripts/flow.php`` file is immediately called with PHP. This results in a different PHP_SELF value.

The ``FLOW_ROOTPATH`` value which has to be determined, now is built manually in case of a ``DIRECTORY_SEPARATOR`` equaling a Windows one.

Additionally, in order to still allow calling the flow executable from arbitrary locations also for Windows, the flow.bat file is adjusted a bit in order to not rely on being at the root path when calling the file.

Change-Id: lcc55e90ba4aff11efab1e2b8307fdbbe41b35735
Fixes: #44000
Related: #31642
Releases: master, 2.0

Revision 5590bded - 2013-03-20 16:08 - Adrian Förder

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Revision d286114d - 2013-03-27 12:05 - Adrian Förder

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History

#1 - 2012-12-15 21:38 - Hartmann Andreas

I happened to get that error right after cloning and doing a composer install, too. In my case the problem was solved after browsing to the flow/welcome page and executing the commands shown there in step 1.

Example:

```
set FLOW_ROOTPATH=D:\xampp\htdocs\vhstrootdir\Base
```

#2 - 2013-01-17 17:05 - Alexander Berl

I dug deeper into the cause of this problem (this didn't happen in 1.1) and found the following:

In the Packages\Framework\TYPO3.Flow\Scripts\flow.php file the server variable FLOW_ROOTPATH is set to the dir of the current script unless the FLOW_ROOTPATH environment variable is set:

```
$_SERVER['FLOW_ROOTPATH'] = trim(getenv('FLOW_ROOTPATH'), '"\ ' ) ?: dirname($_SERVER['PHP_SELF']);
```

and since in the bootstrap defineConstants "x/Packages/Framework/TYPO3.Flow/Scripts" (the path of the script) is different from the expected path "x" the exception is thrown.

Solutions:

Change the flow.php line back to pre 2.0 way (not sure of the implications as I don't know why it was changed), ie:

```
$_SERVER['FLOW_ROOTPATH'] = trim(getenv('FLOW_ROOTPATH'), '"\ ' ) ?: '';
```

OR

use the same default as is expected in bootstrap (*You must start TYPO3 Flow from the root directory or set the environment variable FLOW_ROOTPATH correctly.*), i.e. the cwd:

```
$_SERVER['FLOW_ROOTPATH'] = trim(getenv('FLOW_ROOTPATH'), '"\ ' ) ?: getcwd();
```

#3 - 2013-01-19 12:52 - Adrian Förder

- Status changed from New to Needs Feedback

- Assignee changed from Adrian Föder to Bastian Waidelich

very good catch Alex, obviously this was introduced exactly with lbd70e2dc8ff3a958a33ad0eb422060dc0fd8b799 (<https://review.typo3.org/#/c/17069/>) but has the side effect we encounter here.

Bastian, any ideas for improvements? (I assigned you so far in order to get you notified)

#4 - 2013-01-19 13:11 - Adrian Föder

ahhh too bad; the problematic variable is, as already mentioned, the `dirname($_SERVER['PHP_SELF'])`.

I realized that, with "shell use" (i.e. `./flow`), `$_SERVER['PHP_SELF']` equals `./flow` because the shell file **includes** the `Scripts/flow.php` file. However, the windows use, `flow.bat`, just calls the `Scripts/flow.php` file directly, hence `$_SERVER['PHP_SELF']` in that case equals `"Packages/Framework/TYPO3.Flow/Scripts/flow.php"`.

Would there be a way to set some (env variable) in the batch file?

#5 - 2013-01-19 14:13 - Adrian Föder

- Status changed from Needs Feedback to Under Review

Patch set at <https://review.typo3.org/#/c/17595/>

#6 - 2013-01-23 12:56 - Gerrit Code Review

Patch set 4 for branch **master** has been pushed to the review server.

It is available at <https://review.typo3.org/17595>

#7 - 2013-01-26 15:39 - Simon Schaufelberger

looks like people don't test changes properly in windows as well since it had worked as Alexander wrote before.

#8 - 2013-01-26 16:09 - Adrian Föder

Simon, even I, working exclusively via Windows with Flow, didn't realize this stopper for a couple of time; so I would say it actually is tested properly and constantly on Windows; but this exactly well has just been a bad bug ;)

#9 - 2013-02-20 12:42 - Gerrit Code Review

Patch set 5 for branch **master** has been pushed to the review server.

It is available at <https://review.typo3.org/17595>

#10 - 2013-03-13 18:25 - Gerrit Code Review

Patch set 6 for branch **master** has been pushed to the review server.

It is available at <https://review.typo3.org/17595>

#11 - 2013-03-13 18:58 - Gerrit Code Review

Patch set 7 for branch **master** has been pushed to the review server.

It is available at <https://review.typo3.org/17595>

#12 - 2013-03-19 11:36 - Adrian Föder

- Status changed from Under Review to Resolved

- % Done changed from 0 to 100

Applied in changeset [6a4c6dfbb624a10fc4c73e37a0c53a63e60979bd](https://review.typo3.org/19083).

#13 - 2013-03-20 16:09 - Gerrit Code Review

- Status changed from Resolved to Under Review

Patch set 1 for branch **2.0** has been pushed to the review server.

It is available at <https://review.typo3.org/19083>

#14 - 2013-03-27 12:08 - Gerrit Code Review

Patch set 1 for branch **composer** has been pushed to the review server.

It is available at <https://review.typo3.org/19350>

#15 - 2013-03-27 13:37 - Adrian Föder

- Status changed from Under Review to Resolved

Applied in changeset [d286114db7ea5a04406d478d52d082330208166c](#).