

TYPO3.Flow - Task #35916

Make system call to php binary reliable one for all, especially on Windows

2012-04-12 19:49 - Adrian Förder

Status:	Resolved	Start date:	2012-04-12
Priority:	Should have	Due date:	
Assignee:	Karsten Dambekalns	% Done:	100%
Category:	Core	Estimated time:	0.00 hour
Target version:	1.1.1	Has patch:	No
Sprint:		Complexity:	
PHP Version:			

Description

Currently, there are still issues with \TYPO3\FLOW3\Core\Booting\Scripts'

```
$phpBinaryPathAndFilename = escapeshellcmd(\TYPO3\FLOW3\Utility\Files::
getUnixStylePath($settings['core']['phpBinaryPathAndFilename']));
$command = '"' . $phpBinaryPathAndFilename . '" -c ' . escapeshellarg(
php_ini_loaded_file()) . ' -v';
system($command, $result);
if ($result !== 0) {
    throw new \TYPO3\FLOW3\Exception('It seems like the PHP binary "' . $settings[
'core']['phpBinaryPathAndFilename'] .
'" cannot be executed by FLOW3. Set the correct path to the PHP executable in Configuration/Settin
gs.yaml, setting FLOW3.core.phpBinaryPathAndFilename.', 1315561483);
}
throw new \TYPO3\FLOW3\Exception(
'The compile run failed. Please check the error output or system log for more information.',
1297263663);
```

Its very likely that this call still doesn't success in complicated Windows environment, where the path is e.g. set to C:\Program Files (x86)\Zend\ZendServer\bin\php.exe. Even that escapeshellcmd brings up errors because the (x86) is converted to ^(x86^).

Additionally, the exception message should be more verbose and at least carry the actual \$command in order to make error catching more easy.

A few additional file_exists and other stuff may also make that stuff more reliable.

Associated revisions

Revision 17c31e32 - 2012-12-05 12:40 - Alexander Berl

[TASK] Make system call to php binary reliable, especially on Windows

This solves execution of php binary on windows environments with paths containing whitespace and special characters (like round brackets). On windows, commands containing white spaces must be quoted, but quoted paths may not be escaped, which escapeshellcmd() wrongly does.

This is solved by using escapeshellarg() on windows instead and also adds more verbose exception messages in the case of failure.

Change-Id: lbc7876a8e98f653afaf0bf8c7a4893e0b808cf23

Resolves: #35916

Releases: 1.1, 1.2

Revision d8ce798d - 2012-12-11 10:13 - Alexander Berl

[TASK] Make system call to php binary reliable, especially on Windows

This solves execution of php binary on windows environments with paths containing whitespace and special characters (like round brackets). On windows, commands containing white spaces must be quoted, but quoted paths may not be escaped, which escapeshellcmd() wrongly does.

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History

#1 - 2012-04-13 15:44 - Alexander Berl

Further details on the escaping problem, which is actually a PHP Bug can be found here:

<https://bugs.php.net/bug.php?id=43261>

The last comment from 2012-02-12 17:38 UTC is by me, but since this bug is as old as 2008 I doubt it will get fixed anytime.

Other than that +1 for the more verbose exception message and would suggest it also includes the **system** call **return value** (last line of output from the call), since this sometimes contains helpful information too. I was stumbled a few times on an *"It seems like the PHP binary..."* message, which was actually caused by an PHP Syntax error or similar, causing the system call to fail.

#2 - 2012-05-08 17:58 - Bastian Waidelich

- Category set to Core

- Assignee deleted (Bastian Waidelich)

Definitely makes sense, but I can't take care of it atm

#3 - 2012-05-21 17:00 - Karsten Dambekalns

- Target version deleted (1.1)

#4 - 2012-08-02 02:09 - Gerrit Code Review

- Status changed from New to Under Review

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

It is available at <http://review.typo3.org/13423>

#5 - 2012-08-10 14:44 - Karsten Dambekalns

- Assignee set to Karsten Dambekalns

- Target version set to 1.1

Assigning to me (so it doesn't get lost), because the change author is not assignable.

#6 - 2012-08-10 14:49 - Gerrit Code Review

Patch set 2 for branch **master** has been pushed to the review server.

It is available at <http://review.typo3.org/13423>

#7 - 2012-08-10 14:51 - Gerrit Code Review

Patch set 3 for branch **master** has been pushed to the review server.

It is available at <http://review.typo3.org/13423>

#8 - 2012-08-17 11:19 - Karsten Dambekalns

- Target version changed from 1.1 to 1.1.1

#9 - 2012-12-05 11:45 - Gerrit Code Review

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

It is available at <http://review.typo3.org/13423>

#10 - 2012-12-05 11:56 - Gerrit Code Review

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

It is available at <http://review.typo3.org/13423>

#11 - 2012-12-05 11:57 - Gerrit Code Review

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

It is available at <http://review.typo3.org/13423>

#12 - 2012-12-05 12:40 - Gerrit Code Review

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

It is available at <http://review.typo3.org/13423>

#13 - 2012-12-11 10:13 - Gerrit Code Review

Patch set 1 for branch **FLOW3-1.1** has been pushed to the review server.

It is available at <https://review.typo3.org/17093>

#14 - 2012-12-12 22:12 - Alexander Berl

- *Status changed from Under Review to Resolved*

- *% Done changed from 0 to 100*

Applied in changeset [17c31e32c08a8a98bd851226137804c243bfeac1](#).