

TYPO3.Flow - Bug #32574

FLOW3 enters fork bombs when using cgi-fcgi vs cli

2011-12-14 23:23 - Jacob Floyd

Status:	Accepted	Start date:	2011-12-14
Priority:	Should have	Due date:	
Assignee:	Karsten Dambekalns	% Done:	0%
Category:	Core	Estimated time:	0.00 hour
Target version:		Complexity:	
PHP Version:	5.3		
Has patch:	No		

Description

How I discovered the bug.

I installed FLOW3 (and Typo3 Phoenix) via git yesterday on my shared host. Everything worked fine on CLI including flow3:core:compile. But when I would hit the site via my browser, FLOW3 entered an endless loop of forking new processes (fork bomb) until the ulimit max number of processes (100) is reached, when it gave this error:

```
#1: Warning: system() [
```

Occasionally I'd also get this error in the php5 error log:

```
[14-Dec-2011 13:14:22] PHP Fatal error: Out of memory (allocated 54263808) (tried to allocate 7680 bytes) in
/home/cognifir/public_domains/TYPO3v5/Data/Temporary/Development/Cache/Code/Fluid_TemplateCache/typo3_template_fb2802
0226817cc1696e7cec37ba5786d3434e0e.php on line 65
```

However neither of these error messages are particularly helpful, they only point at two symptoms (1) running out of available processes (2) running out of available memory.

By running the command FLOW3 was trying to run I get the following Result:

```
$ XDEBUG_CONFIG="idekey=FLOW3_SUBREQUEST" FLOW3_ROOTPATH="/home/cognifir/public_domains/TYPO3v5/"
FLOW3_CONTEXT='Development'
"/usr/bin/php" -c '/home/cognifir/.php/php.ini' '/home/cognifir/public_domains/TYPO3v5/Packages/Frame
amework/TYPO3.FLOW3/Classes/Core/../../Scripts/flow3.php'
'typo3.flow3:core:compile'
```

```
X-Powered-By: PHP/5.3.8
Content-type: text/html
```

The FLOW3 command line script or sub process was executed with a 'cgi-fcgi' PHP binary. Make sure that you specified a CLI capable PHP binary in your PATH or FLOW3's Settings.yaml.

Resolution

To resolve this, I uncommented (as I wasn't using it before) and set phpBinaryPathAndFilename: '/user/local/bin/php' in Settings.yaml.

Next steps

- I think it would be great to catch this error and exit with a useful exception/error message instead of entering the endless loop of spawning new flow3 processes over and over.
- Also, a note in the manual about using phpBinaryPathAndFilename to point to the CLI php would be helpful. Also, this suggests that it is not just for Windows like the example Settings.yaml indicates.

Related issues:

Related to TYPO3.Flow - Bug #30633: endless recursion when using the wrong ph...

Resolved**2011-10-07****History**

#1 - 2012-03-07 17:21 - Karsten Dambekalns

- *Category set to Core*
- *Status changed from New to Accepted*
- *Assignee set to Karsten Dambekalns*