

## TYPO3.Flow - Feature # 4426

<b>Status:</b>	Resolved	<b>Priority:</b>	Should have
<b>Author:</b>	Bastian Waidelich	<b>Category:</b>	Core
<b>Created:</b>	2009-09-03	<b>Assigned To:</b>	Bastian Waidelich
<b>Updated:</b>	2011-08-04	<b>Due date:</b>	
<b>PHP Version:</b>			
<b>Has patch:</b>			
<b>Complexity:</b>			
<b>Subject:</b>	Provide Windows compatible version of the FLOW3 Command Line Tool		
<b>Description</b>			
FLOW3 distribution comes with an easy to use command line tool (see <a href="http://flow3.typo3.org/documentation/tutorials/getting-started/gettingstarted.kickstart/#gettingstarted.kickstart.commandlinetool">http://flow3.typo3.org/documentation/tutorials/getting-started/gettingstarted.kickstart/#gettingstarted.kickstart.commandlinetool</a> ). For the good old Windows users we should supply a similar batch version of the script.			
<b>Related issues:</b>			
related to TYPO3 Flow Base Distribution - Bug # 27482: CLI not working on Win...		<b>Resolved</b>	<b>2011-06-15</b>
related to TYPO3.Flow - Feature # 4469: Implement a central command line cont...		<b>Resolved</b>	<b>2009-09-07</b>
related to TYPO3.Flow - Feature # 6681: Make the php cli executable configura...		<b>Resolved</b>	<b>2010-03-03</b>
related to TYPO3.Flow - Feature # 7216: Custom CLI Controller without Modific...		<b>Closed</b>	<b>2010-04-12</b>

### Associated revisions

Revision e7681c8c - 2011-07-06 18:51 - Karsten Dambekalns

[TASK] Simplify CLI use, add batch file

Removes the two scripts for Development and Production context and keeps one script instead. To change the context, use the environment variable FLOW3\_CONTEXT.

Also adds a flow3.bat file for use on Windows.

Change-Id: Idd7d74c6c4a2ad4b88f3d5849681d2bb289e94b9

Fixes: #27482

Resolves: #4426

### History

#1 - 2009-09-03 13:54 - Bastian Waidelich

- File flow3.bat added

Attached is a very first (incomplete) version of a batch script "ported" from the FLOW3 Command Line Tool to Windows batch.

The good news: If placed next to the original "flow3" script, it will work directly as described in the tutorial ("flow3 package create foo") as \*.bat files take precedence over files without extension.

The bad news: Windows batch sucks and there is a lot of duplication.. If someone is familiar with this "language", please help!

#2 - 2009-09-04 12:19 - Bastian Waidelich

Thought:

In order to avoid too much duplication the script might be turned into a PHP script that is only invoked by the CLI..

### #3 - 2009-09-12 14:05 - Irene Höppner

I know somebody who can do that script, but he said the current version is too hard.... if we move the main stuff to php, he would do the windows-script.

### #4 - 2009-09-22 13:39 - Karsten Dambekalns

We should definitely move the logic to PHP and use shell / batch only to invoke that. The same style works well for PEAR, phunit, phpcs, ... Any chance to get this done until end of this month to have it in alpha 5?

### #5 - 2009-09-22 13:51 - Bastian Waidelich

Karsten Dambekalns wrote:

```
| We should definitely move the logic to PHP and use shell / batch only to invoke that. [...]  
| Any chance to get this done until end of this month to have it in alpha 5?
```

I was playing around with a script, that is able to determine possible parameters and method descriptions for configured actions.. You would configure the possible commands like

```
cli:  
  commandSets:  
    package:  
      controller: F3\FLOW3\Package\Controller\ManagerController  
      actions: [listAvailable, listActive, create, activate, deactivate, delete]  
    cache:  
      controller: F3\FLOW3\Cache\Controller\ManagerController  
      actions: [flush]  
    testing:  
      controller: F3\Testing\Controller\CLIController  
      actions: [run]  
    kickstart:  
      controller: F3\Kickstart\Controller\KickstartController  
      actions: [generatePackage, generateController, generateModel, generateRepository]
```

In my first tests this worked quite well.. Though, as discussed @ t3con09, this requires configuration manager & mvc framework to work. If there was a syntax error in one of the classes, there is no possibility to execute commands.

I'd suggest to implement something like that anyways, and later think about some fallback mechanism.

I'll clean up my prototype and upload it here, but I can't promise to be done until next week..

### #6 - 2009-09-28 21:54 - Karsten Dambekalns

- Status changed from New to Accepted

**#7 - 2009-09-29 16:43 - Bastian Waidelich**

- File 4426\_v1.patch added
- % Done changed from 0 to 80

Attached is a very first version of a new FLOW3 subpackage "CLI".

It contains of three main classes:

- "Host" abstracts console commands like output(), outputLine() and readLine() and allows you to register commands
- "Command" can contain CommandArguments and may be registered at the Host
- "CommandArgument" very simple class, that exists of the properties name, description and a required-flag

Additionally the patch replaces the current "flow3" shell script by a simplified version that forwards control to the new CLI script FLOW3/Scripts/FLOW3CLI.php. Last but not least the patch comes with a "translated" batch version for windows.

**Note:** This is experimental and not yet complete. Besides, there are still some issues to be solved (like actually firing the actions, a fallback)

**#8 - 2009-09-30 12:47 - Karsten Dambekalns**

- File 4426\_v2.patch added

v2: The patch has been updated in some areas:

- shell script works now
- reflection service changes
- reading from STDIN has been simplified
- some comment and style cleanup

All in all it works and seems the way to go!

**#9 - 2009-10-27 15:15 - Bastian Waidelich**

Karsten Dambekalns wrote:

Hi Karsten,

| v2: The patch has been updated in some areas:

I can't apply your patch for some reason - can you please recreate it only for FLOW3 package?

Thanks  
Bastian

**#10 - 2009-10-27 16:48 - Karsten Dambekalns**

- File 4426\_v3.patch added

Bastian Waidelich wrote:

| I can't apply your patch for some reason - can you please recreate it only for FLOW3 package?

Probably the problem caused by the superfluous line at line 1004 that manifests itself as an error on line 991 when patching. Try again with v3.

As soon as my subversion build is through I can hopefully create patches with line numbers again, then I can create a separate patch for FLOW3...

**#11 - 2010-01-20 11:06 - Karsten Dambekalns**

- Target version set to 1.0 alpha 8

**#12 - 2010-03-06 12:33 - Karsten Dambekalns**

- Target version changed from 1.0 alpha 8 to 1.0 alpha 9

**#13 - 2010-03-11 11:42 - Robert Lemke**

- Start date deleted (2009-09-03)

**#14 - 2010-04-15 00:58 - Bastian Waidelich**

- File 4426\_v4.patch added

- Category set to Core

- Status changed from Accepted to Needs Feedback

Attached version works for me. With following snippet pasted to "Settings.yaml":

```
FLOW3:
cli:
  commandSets:
    foo:
      controller: F3\FLOW3\Package\Controller\PackageManagerController
      actions: [create, delete]
    bar:
      controller: F3\Kickstart\Controller\KickstartController
      actions: [generatePackage]
```

But I'm not happy with it, because it is pretty slow to load up (at least on Windows) and it relies on a lot of parts of the framework..  
An option might be to store the available commands in a text file and add a command that recreates that textfile on request.

Please test and give feedback

**#15 - 2010-05-28 17:38 - Robert Lemke**

- Target version deleted (1.0 alpha 9)

**#16 - 2011-05-11 13:56 - Bastian Waidelich**

With the current implementation, this issue is (almost) resolved.

We still need a small batch wrapper as described above.

Apart from that, unfortunately **interactive shell** won't be possible on Windows.. `readline_read_history()` and `readline_completion_function()` are not available on PHP for Windows.. The current `shellCommand` should check the existence of these functions to avoid fatal errors.

**#17 - 2011-06-21 16:31 - Bastian Waidelich**

- File `flow3.bat` added

- File `flow3_dev.bat` added

- Target version set to 1.0 beta 1

Attached are two very simple batch wrappers for the flow3/flow3\_dev scripts allowing it to use the CLI commands from the normal Windows bash. Place the scripts in Packages/Framework/FLOW3/Scripts and create a symlink at the root of your installation (or put them directly in the root).

**NOTE:** Make sure to verify that flow3 & flow3\_dev are symlinked correctly (see #27482)

**#18 - 2011-07-06 17:31 - Mr. Hudson**

- Status changed from Needs Feedback to Under Review

Patch set 1 of change le4b3d9d5f620572b926b7f975102b2b09471c42b has been pushed to the review server. It is available at <http://review.typo3.org/3049>

**#19 - 2011-07-06 17:52 - Mr. Hudson**

Patch set 1 of change lbfae85839e4620e584af141e62c3c5886f575a4e has been pushed to the review server. It is available at <http://review.typo3.org/3053>

**#20 - 2011-07-06 17:59 - Mr. Hudson**

Patch set 1 of change ldd7d74c6c4a2ad4b88f3d5849681d2bb289e94b9 has been pushed to the review server. It is available at <http://review.typo3.org/3056>

**#21 - 2011-07-06 18:00 - Mr. Hudson**

Patch set 2 of change ldd7d74c6c4a2ad4b88f3d5849681d2bb289e94b9 has been pushed to the review server. It is available at <http://review.typo3.org/3056>

**#22 - 2011-07-06 19:35 - Mr. Hudson**

Patch set 3 of change ldd7d74c6c4a2ad4b88f3d5849681d2bb289e94b9 has been pushed to the review server. It is available at <http://review.typo3.org/3056>

**#23 - 2011-08-04 08:40 - Sebastian Kurfuerst**

- Status changed from Under Review to Resolved

- % Done changed from 80 to 100

**Files**

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flow3.bat	5 kB	2009-09-03	Bastian Waidelich
4426_v1.patch	80.8 kB	2009-09-29	Bastian Waidelich
4426_v2.patch	76.3 kB	2009-09-30	Karsten Dambekalns
4426_v3.patch	76.2 kB	2009-10-27	Karsten Dambekalns
4426_v4.patch	73.7 kB	2010-04-15	Bastian Waidelich
flow3.bat	254 Bytes	2011-06-21	Bastian Waidelich
flow3_dev.bat	258 Bytes	2011-06-21	Bastian Waidelich