

TYPO3.Flow - Bug # 41818

Status:	Resolved	Priority:	Should have
Author:	Sebastian Kurfuerst	Category:	Core
Created:	2012-10-10	Assigned To:	Sebastian Kurfuerst
Updated:	2012-10-15	Due date:	
PHP Version:			
Has patch:	No		
Complexity:			
Affected Flow version: (any)			
Subject:	Development Performance: Improve performance of Compile Run if no changes appeared		
Description			
<p>I profiled performance of development context; and found the following:</p> <ul style="list-style-type: none">- A lot of time is spent during typo3.flow:objectmanagement:proxyclasses - as expected. For my neos instance, roughly 1.8 seconds of 3.1 seconds of Neos Development Mode (See before.png -- the white bar is proxy class building.- When drilling down into the compile-time run which is then executed, you see that lots of time is spent inside typo3.flow:objectmanagement:compiletime:finalize -- 1.2 of a total of 1.5 seconds. (before-compiletime.png)- If there were no changes to the source files, the CoreCommandController::compileCommand just returns early<ul style="list-style-type: none">- Actually, you see that we only need to fully initialize the object manager in the compile command if anything changed. <p>Goal: If no changes occurred, do not run the typo3.flow:objectmanagement:compiletime:finalize command, such that the compile-time run only runs for 0.3 seconds in my case.</p> <ul style="list-style-type: none">- After the optimization is applied, you see inside comparison-before-after.png that the runtime goes down from about 3.1 to 1.8 seconds if there were no changes to source files. <p>This is mostly work in progress and meant as a discussion base</p> <p>See the attached changeset at https://review.typo3.org/#/c/15472/ for a WIP implementation</p>			

Associated revisions

Revision c9f04ee0 - 2012-10-13 20:26 - Christopher Hlubek

[BUGFIX] Remove unnecessary call for code compilation

This change removes the forced compile command subrequest in a non Production context. Proxy classes are only initialized if the code cache is not up to date or with a special second check after file monitoring was run.

This speeds up the development context quite enormous if no code was changed.

Change-Id: Ild06e26d340a501fe3a0226b70c6dda3c4035cde

Fixes: #41818

Releases: 1.2

History

#1 - 2012-10-10 09:41 - Gerrit Code Review

- Status changed from Accepted to Under Review

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

It is available at <http://review.typo3.org/15472>

#2 - 2012-10-13 20:26 - Gerrit Code Review

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

It is available at <http://review.typo3.org/15580>

#3 - 2012-10-13 20:29 - Christopher Hlubek

I found another way of speeding up the compilation. We should try if <http://review.typo3.org/15580> works correctly and reliable for code recompilation. At least for most non-Flow core code this should be a sufficient and dramatic improvement since no command execution is necessary, which I think causes most of the delay.

#4 - 2012-10-15 15:36 - Christopher Hlubek

- Status changed from Under Review to Resolved

- % Done changed from 0 to 100

Applied in changeset commit:c9f04ee02f519bf480d1902662f593663d31e059.

Files

before.png	7.5 kB	2012-10-10	Sebastian Kurfuerst
before-compiletime.png	59.8 kB	2012-10-10	Sebastian Kurfuerst
comparison-before-after.png	51.8 kB	2012-10-10	Sebastian Kurfuerst