Core - Task # 54605

Epic # 55070 (Accepted): Workpackages
  Epic # 55065 (New): WP: Overall System Performance (Backend and Frontend)
    Epic # 55656 (Accepted): Optimize overall Extbase performance

Status:	Under Review	**Priority:**	Should have
Author:	Claus Due	**Category:**	Extbase
Created:	2013-12-26	**Assigned To:**	Marc Bastian Heinrichs
Updated:	2014-04-14	**Due date:**	

TYPO3 Version:	6.2
PHP Version:	
Complexity:	
Sprint Focus:	

Subject:	Inject annotations should not be used by core (~5% performance)

Description

The case:

Using inject annotations requires the Reflection framework to do expensive runtime analysis of all classes that get loaded (given: only once, if they are Singletons). This extra overhead (I measured it to around 5% in a pretty basic environment with a few extbase plugins) can be very easily avoided by always using injection methods.

I would personally have the core's classes always use injection methods to increase performance of the base system - and warn users in documentation, that inject annotations should be expected to slow down the code by approximately 5% (also affecting cached contexts, especially affecting the backend).

In our quest for better performance we can take this very easy path without any damage.

A revert merge request is coming right up.

History

#1 - 2013-12-27 13:52 - Gerrit Code Review

- Status changed from New to Under Review

Patch set 2 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.

It is available at https://review.typo3.org/26565

#2 - 2013-12-27 14:11 - Gerrit Code Review

Patch set 3 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.

It is available at https://review.typo3.org/26565

#3 - 2013-12-27 14:12 - Markus Klein

Please check if #52040 should be reverted as well then.

Maybe also search the complete log for such @inject changes.

#4 - 2014-04-03 11:23 - Marc Bastian Heinrichs

- Category set to Extbase

- Assigned To set to Marc Bastian Heinrichs

- Target version set to next-patchlevel

- Parent task set to #55656

#5 - 2014-04-03 11:24 - Marc Bastian Heinrichs

I'm on evaluating this and have a new patchset in the pipeline.

#6 - 2014-04-14 14:52 - Gerrit Code Review

Patch set 1 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.

It is available at https://review.typo3.org/29453