

TYPO3.Flow - Feature # 32398

Status:	Resolved	Priority:	Should have
Author:	Robert Lemke	Category:	Cache
Created:	2011-12-08	Assigned To:	Robert Lemke
Updated:	2011-12-21	Due date:	
PHP Version:	5.3		
Has patch:	No		
Complexity:	medium		
Subject:	Freezable Cache Backend		
Description	<p>Certain caches are static once they've been filled with data. One example is the classes cache in FLOW3 – after all proxy classes have been compiled, the cache must never be touched again in Production context.</p> <p>Especially in the mentioned case, a cache backend could work with greatly improved performance if it knew that no changes are to be expected. It could create an index of existing cache entries which is loaded upfront. Existing cache entries could then be loaded right away without the need to check for expiry times or existence.</p>		
Related issues:	related to Core - Feature # 39430: Update cache framework to latest FLOW3 ver... Resolved 2014-04-17		

Associated revisions

Revision c94e6f17 - 2011-12-09 10:03 - Robert Lemke

[FEATURE] Freezable Cache Backend

This introduces a new type of cache backends which supports freezing. In a frozen state no modifications are allowed and thus enables the cache implementation to optimize its tasks for speed.

The FileBackend was extended to support freezing and is now used for the class cache in Production context. Measured on the blog example, this change improved number of transactions per second by 29 %.

Change-Id: I1bd212157516875507ce7677515d14e8a611aa73

Resolves: #32398

Releases: 1.1

History

#1 - 2011-12-08 16:05 - 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/7162>

#2 - 2011-12-08 16:56 - Gerrit Code Review

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

It is available at <http://review.typo3.org/7162>

#3 - 2011-12-08 18:57 - Gerrit Code Review

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

It is available at <http://review.typo3.org/7162>

#4 - 2011-12-09 09:59 - Gerrit Code Review

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

It is available at <http://review.typo3.org/7162>

#5 - 2011-12-09 10:03 - Gerrit Code Review

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

It is available at <http://review.typo3.org/7162>

#6 - 2011-12-09 10:06 - Robert Lemke

- *Status changed from Under Review to Resolved*

- *% Done changed from 0 to 100*

Applied in changeset commit:c94e6f1747e607a3fc8e2da2cecbfc15ebf443b8.

#7 - 2011-12-09 12:30 - Christopher Hlubek

There is no way to re-compile classes in production anymore:

`./flow3 flow3:core:compile` gives an error The cache "FLOW3_Object_Classes" is already frozen. since the class cache is frozen. We need to "unfreeze" it on compilation.

#8 - 2011-12-21 12:38 - Karsten Dambekalns

- *Target version changed from 1.1 to 1.1 beta 1*