

## TYPO3.Flow - Feature #32398

### Freezable Cache Backend

2011-12-08 15:56 - Robert Lemke

<b>Status:</b>	Resolved	<b>Start date:</b>	2011-12-08
<b>Priority:</b>	Should have	<b>Due date:</b>	
<b>Assignee:</b>	Robert Lemke	<b>% Done:</b>	100%
<b>Category:</b>	Cache	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	1.1 beta 1	<b>Complexity:</b>	medium
<b>PHP Version:</b>	5.3		
<b>Has patch:</b>	No		
<b>Description</b>			
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 <b>in Production context</b> .			
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.			
<b>Related issues:</b>			
Related to TYPO3 Core - Feature #39430: Update cache framework to latest FLOW...		<b>Closed</b>	<b>2014-04-17</b>

#### 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 [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*