

## TYPO3.Flow - Feature # 9017

<b>Status:</b>	Resolved	<b>Priority:</b>	Could have
<b>Author:</b>	Christian Kuhn	<b>Category:</b>	Cache
<b>Created:</b>	2010-07-25	<b>Assigned To:</b>	Christian Kuhn
<b>Updated:</b>	2010-11-15	<b>Due date:</b>	
<b>PHP Version:</b>			
<b>Has patch:</b>			
<b>Complexity:</b>			
<b>Subject:</b>	Implement redis as cache backend		
<b>Description</b>			
<p>Redis [1] is a noSQL database with very good scaling characteristics in relation to the amount of entries and data size. This makes redis perfectly fit to our needs as a caching backend. It's a young, but very active project with currently very high development speed.</p> <p>Performance measurements show that this backend easily outperforms every other existing backend in most use cases, especially when it comes to larger data sizes with tons of entries. All base operations scale <math>O(1)</math> with the number of cache entries (not with the number of affected entries).</p> <p>There are different adapters for php, this backend implementation uses phpredis, which is a redis implementation as php module [2]</p> <p>This backend is tested with:</p> <ul style="list-style-type: none"><li>- redis version <math>\geq</math> 2.0.0-rc2, version 1.2.0 does not work</li><li>- phpredis, git version 0abb9e5ec07b8a8c20b5 from 2010-07-18, prior versions should work, but have a major performance issue with data sizes <math>&gt;</math> 8kb.</li></ul> <p>This is my first real contribution to FLOW3, i hope code quality is high enough and unit tests have acceptable code coverage. Please give feedback if anything needs to be improved.</p> <p>The v4 backport of this backend already exists and is in production for early adapters, it will hopefully make it to v4.5, as soon as FLOW3 accepted the implementation.</p> <p>[1] <a href="http://code.google.com/p/redis/">http://code.google.com/p/redis/</a> [2] <a href="http://github.com/owlient/phpredis">http://github.com/owlient/phpredis</a></p>			

### Associated revisions

#### Revision 7f115285 - 2010-11-14 21:48 - Christian Kuhn

[+FEATURE] FLOW3 (Cache): Implement redis as cache backend

Redis is a noSQL database with very good scaling characteristics in relation to the amount of entries and data size and fits perfectly to our needs as a caching backend. This implementation uses the phpredis PHP module.

Resolves: #9017

Change-Id: I04c16e9fc20ee8bfa3bf19e60957dda82126037e

#### Revision 923af427 - 2010-11-15 13:25 - Robert Lemke

[~TASK] FLOW3 (Cache): Rename Redis Cache Backend

This renames the cache backend formerly named "PhpreRedisBackend" to "RedisBackend".

If there should be, at some point in the future, a second implementation of a Redis backend, or another way for accessing Redis should be supported, then this should be solved with a configuration option for this RedisBackend.

Relates to: #9017

Change-Id: I5cc2988b424f490db8eddad8023af7b2fb4fe9ca

### Revision dd78aca1 - 2010-11-15 14:16 - Karsten Dambekalns

[~TASK] FLOW3 (Cache): Clean up the RedisBackend

Some comments and a useless method have been removed, the exception lines have been compacted and an incorrect author line was dumped.

Relates to: #9017

Change-Id: I52866d669ce746f53ae705ab10e51da40566658e

## History

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### #1 - 2010-08-13 15:38 - Karsten Dambekalns

- Priority changed from *Should have* to *Could have*
- Start date deleted (2010-07-25)

### #2 - 2010-11-15 12:00 - Christian Kuhn

- Status changed from *New* to *Resolved*
- % Done changed from 0 to 100

Applied in changeset commit:"7f11528521db7d04845e652d948a429b93f2f2e9".

### #3 - 2010-11-15 13:32 - Karsten Dambekalns

- Assigned To set to *Christian Kuhn*
- Target version set to *1.0 alpha 13*

## Files

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redis.diff	49.3 kB	2010-07-25	Christian Kuhn
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