

TYPO3 Core - Bug #84070

Epic # 83652 (Closed): EXT: Redirects module - Umbrella issue

RedirectCacheService does not fallback gracefully if caching backend fails

2018-02-27 18:03 - Sybille Peters

Status:	Closed	Start date:	2018-02-27
Priority:	Should have	Due date:	
Assignee:		% Done:	100%
Category:	Backend API	Estimated time:	0.00 hour
Target version:		Complexity:	
TYPO3 Version:	9	Is Regression:	
PHP Version:		Sprint Focus:	
Tags:			

Description

Tested with 9.2.0-dev (current master).

If the configured caching backend (e.g. redis) fails because of a misconfiguration or downtime, TYPO3 falls back very nicely to non cached entries.

However the RedirectCacheService throws an exception in this case:

```
Core: Exception handler (WEB): Uncaught TYPO3 Exception:  
Return value of TYPO3\CMS\Redirects\Service\RedirectCacheService::getRedirects() must be of the  
type array, boolean returned  
| TypeError thrown in file  
/<webroot>/typo3/sysex/redirects/Classes/Service/RedirectCacheService.php in line 60.  
Requested URL: http://localhost/index.php?id=1
```

[RedirectCacheService.php#60](#)

Steps to reproduce

1. Initial installation with "introduction package" (or without, in this case create a new page with standard root template)
2. Configure Redis as Caching backend (see configuration snippet below)
3. cause redis backend to fail by stopping the redis service, e.g. service stop redis
4. (while not logged in in backend): Load frontend pages, e.g. "Get Started" page id=1

Results

Oops Error / Exception gets thrown.



Oops, an error occurred!

Return value of TYPO3\CMS\Redirects\Service\RedirectCacheService::getRedirects() must be of the type array, boolean returned

Verify

Test without redirect:

1. deinstall "redirect" extension. There will be no more exceptions, even though redis still isn't available

Basic Cache Configuration:

typo3conf/AdditionalConfiguration.php:

```
<?php
...
@include_once('GeneralConfigurationCache.php');
@setCacheConfigurationRedis(2);
```

typo3conf/GeneralConfigurationCache.php:

```
function setCacheConfigurationRedis($database=false, $names = [
    'cache_pages',
    'cache_pagesection',
    'cache_hash',
    'cache_rootline',
    'cache_imagesizes',
    'extbase_object',
    'extbase_reflection',
    'extbase_typo3dbbackend_queries',
    'extbase_datamapfactory_datamap',
    'extbase_object',
    'extbase_reflection'
] )
{
    if (!$database) {
        return;
    }

    foreach($names as $name) {
        $GLOBALS['TYPO3_CONF_VARS']['SYS']['caching']['cacheConfigurations'][$name]['backend'] =
        \TYPO3\CMS\Core\Cache\Backend\RedisBackend::class;
        $GLOBALS['TYPO3_CONF_VARS']['SYS']['caching']['cacheConfigurations'][$name]['options']['
        'database'] = $database;
        // problem with gzuncompress + php-redis
        $GLOBALS['TYPO3_CONF_VARS']['SYS']['caching']['cacheConfigurations'][$name]['options']['
        'compression'] = false;
    }
}
```

Associated revisions

Revision 43cda8c4 - 2018-03-08 22:48 - Andreas Fernandez

[BUGFIX] Let RedirectCacheService not rely on having redirects cached

RedirectCacheService::getRedirects() relies on having the redirects cached. This assumption may lead to issues (e.g. in case a Redis server fails), causing TypeErrors.

The code is changed to return the composed array in case the initial cache request misses.

Resolves: #84070

Releases: master

Change-Id: I148db9ccbf28a2f93761fbf4b2cb632e27787b2d

Reviewed-on: <https://review.typo3.org/56050>

Tested-by: TYPO3com <no-reply@typo3.com>

Reviewed-by: Benjamin Franzke <bfr@qbus.de>

Tested-by: Benjamin Franzke <bfr@qbus.de>

Reviewed-by: Mathias Schreiber <mathias.schreiber@typo3.com>

Tested-by: Mathias Schreiber <mathias.schreiber@typo3.com>

Reviewed-by: Christian Kuhn <lolli@schwarzbu.ch>

Tested-by: Christian Kuhn <lolli@schwarzbu.ch>

History

#1 - 2018-02-27 18:09 - Sybille Peters

- Description updated

#2 - 2018-02-27 19:18 - Susanne Moog

- Parent task set to #83652

#3 - 2018-03-08 08:59 - Gerrit Code Review

- Status changed from New to Under 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/56050>

#4 - 2018-03-08 23:00 - Andreas Fernandez

- Status changed from Under Review to Resolved

- % Done changed from 0 to 100

Applied in changeset [43cda8c4405ae78bab6908c47eda14d4dcffbf49](#).

#5 - 2018-10-02 10:50 - Benni Mack

- Status changed from Resolved to Closed

Files

oops.png	16.4 KB	2018-02-27	Sybille Peters
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