TYPO3.Flow - Bug # 40410

Status:	Needs Feedback	**Priority:**	Should have
Author:	Kobbe van Daatselaar	**Category:**	Cache
Created:	2012-08-30	**Assigned To:**	Karsten Dambekalns
Updated:	2012-10-25	**Due date:**	

PHP Version:	5.3
Has patch:	No
Complexity:	
Affected Flow version:	FLOW3 1.1.0
Subject:	Exception when using Apc, Memcached of Redis cache backend for reflection status and object configuration
Description	

When I configure to FLOW3 to use an other backend than the (Simple)FileBackend it throws an exception during compiletime:

14 TYPO3\FLOW3\Error\ErrorHandler::handleError(4096, "Argument 1 passed to
TYPO3\FLOW3\Object\ObjectManager::setObjects() must be an array, boolean given, called in
/Packages/Framework/TYPO3.FLOW3/Classes/Core/Booting/Scripts.php on line 292 and defined",
"/Packages/Framework/TYPO3.FLOW3/Classes/Object/ObjectManager.php", 92, array)
13 TYPO3\FLOW3\Object\ObjectManager::setObjects(boolean)
12 TYPO3\FLOW3\Core\Booting\Scripts::initializeObjectManager(TYPO3\FLOW3\Core\Bootstrap)
11 call_user_func(array, TYPO3\FLOW3\Core\Bootstrap)
10 TYPO3\FLOW3\Core\Booting\Step::__invoke(TYPO3\FLOW3\Core\Bootstrap)
9 TYPO3\FLOW3\Core\Booting\Sequence::invokeStep(TYPO3\FLOW3\Core\Booting\Step, TYPO3\FLOW3\Core\Bootstrap)
8 TYPO3\FLOW3\Core\Booting\Sequence::invokeStep(TYPO3\FLOW3\Core\Booting\Step, TYPO3\FLOW3\Core\Bootstrap)
7 TYPO3\FLOW3\Core\Booting\Sequence::invokeStep(TYPO3\FLOW3\Core\Booting\Step, TYPO3\FLOW3\Core\Bootstrap)
6 TYPO3\FLOW3\Core\Booting\Sequence::invokeStep(TYPO3\FLOW3\Core\Booting\Step, TYPO3\FLOW3\Core\Bootstrap)
5 TYPO3\FLOW3\Core\Booting\Sequence::invokeStep(TYPO3\FLOW3\Core\Booting\Step, TYPO3\FLOW3\Core\Bootstrap)
4 TYPO3\FLOW3\Core\Booting\Sequence::invoke(TYPO3\FLOW3\Core\Bootstrap)
3 TYPO3\FLOW3\Http\RequestHandler::boot()
2 TYPO3\FLOW3\Http\RequestHandler::handleRequest()
1 TYPO3\FLOW3\Core\Bootstrap::run()

This happens when I configure the Object_Configuration or Reflection_Status in Caches.yaml

    FLOW3_Object_Configuration:
      backend: TYPO3\FLOW3\Cache\Backend\ApcBackend
    FLOW3_Reflection_Status:
      backend: TYPO3\FLOW3\Cache\Backend\ApcBackend

or

    FLOW3_Object_Configuration:
      backend: TYPO3\FLOW3\Cache\Backend\MemcachedBackend
      backendOptions:
        servers:
          - 127.0.0.1
    FLOW3_Reflection_Status:
      backend: TYPO3\FLOW3\Cache\Backend\MemcachedBackend

```
          backendOptions:
            servers:
              - 127.0.0.1
or
   FLOW3_Object_Configuration:
      backend: TYPO3\FLOW3\Cache\Backend\RedisBackend
      backendOptions:
         database: 3
         compressionLevel: 0
   FLOW3_Reflection_Status:
      backend: TYPO3\FLOW3\Cache\Backend\RedisBackend
      backendOptions:
         database: 4
         compressionLevel: 0
<pre>
```

History

#1 - 2012-09-12 11:21 - Karsten Dambekalns

- Status changed from New to Needs Feedback

- Assigned To set to Karsten Dambekalns

When using Redis it works for me, no exceptions whatsoever. APC and memcache fail with a variety of errors. Can you give more details on your errors?

#2 - 2012-09-26 13:00 - Kobbe van Daatselaar

APC (all done in production context)

REFLECTION STATUS

```
   FLOW3_Reflection_Status:
      backend: TYPO3\FLOW3\Cache\Backend\ApcBackend
```

I get the following error when compiling:

```
   ./flow3 flow3:core:compile
   PHP Fatal error:  Call to undefined method TYPO3\FLOW3\Cache\Backend\ApcBackend::initializeObject() in
   /www/hexia/Packages/Framework/TYPO3.FLOW3/Classes/Reflection/ReflectionService.php on line 189
   PHP Stack trace:
   PHP   1. {main}() /www/hexia/flow3:0
   PHP   2. require() /www/hexia/flow3:28
```

PHP   3. TYPO3\FLOW3\Core\Bootstrap->run() /www/hexia/Packages/Framework/TYPO3.FLOW3/Scripts/flow3.php:42

PHP   4. TYPO3\FLOW3\Cli\CommandRequestHandler->handleRequest()
/www/hexia/Packages/Framework/TYPO3.FLOW3/Classes/Core/Bootstrap.php:112

PHP   5. TYPO3\FLOW3\Cli\CommandRequestHandler->boot()
/www/hexia/Packages/Framework/TYPO3.FLOW3/Classes/Cli/CommandRequestHandler.php:91

PHP   6. TYPO3\FLOW3\Core\Booting\Sequence->invoke()
/www/hexia/Packages/Framework/TYPO3.FLOW3/Classes/Cli/CommandRequestHandler.php:147

PHP   7. TYPO3\FLOW3\Core\Booting\Sequence->invokeStep()
/www/hexia/Packages/Framework/TYPO3.FLOW3/Classes/Core/Booting/Sequence.php:73

PHP   8. TYPO3\FLOW3\Core\Booting\Sequence->invokeStep()
/www/hexia/Packages/Framework/TYPO3.FLOW3/Classes/Core/Booting/Sequence.php:93

PHP   9. TYPO3\FLOW3\Core\Booting\Sequence->invokeStep()
/www/hexia/Packages/Framework/TYPO3.FLOW3/Classes/Core/Booting/Sequence.php:93

PHP 10. TYPO3\FLOW3\Core\Booting\Sequence->invokeStep()
/www/hexia/Packages/Framework/TYPO3.FLOW3/Classes/Core/Booting/Sequence.php:93

PHP 11. TYPO3\FLOW3\Core\Booting\Sequence->invokeStep()
/www/hexia/Packages/Framework/TYPO3.FLOW3/Classes/Core/Booting/Sequence.php:93

PHP 12. TYPO3\FLOW3\Core\Booting\Step->__invoke()
/www/hexia/Packages/Framework/TYPO3.FLOW3/Classes/Core/Booting/Sequence.php:89

PHP 13. call_user_func() /www/hexia/Packages/Framework/TYPO3.FLOW3/Classes/Core/Booting/Step.php:49

PHP 14. TYPO3\FLOW3\Core\Booting\Scripts::initializeReflectionService()
/www/hexia/Packages/Framework/TYPO3.FLOW3/Classes/Core/Booting/Step.php:49

PHP 15. TYPO3\FLOW3\Reflection\ReflectionService->setStatusCache()
/www/hexia/Packages/Framework/TYPO3.FLOW3/Classes/Core/Booting/Scripts.php:316

OBJECT CONFIGURATION

FLOW3_Object_Configuration:
  backend: TYPO3\FLOW3\Cache\Backend\ApcBackend

I get no error when running ./flow3 flow3:core:compile

But when I open a URL in my browser I get:

FLOW3: The compile run failed. Please check the error output or system log for more information.

There is no error in the logs:

12-09-26 10:55:22 2681	NOTICE	FLOW3	Unlocked site.
12-09-26 10:55:22 2685	NOTICE	FLOW3	Locking site. Lock file: /www/hexia/Data/Temporary/Production/FLOW3.lock
12-09-26 10:55:22 2685	INFO	FLOW3	Aspect classes have been modified, flushing the whole proxy classes cache.
12-09-26 10:55:22 2685	INFO	FLOW3	Domain model changes have been detected, triggering Doctrine 2 proxy rebuilding.
12-09-26 10:55:22 2685	INFO	FLOW3	File Monitor "FLOW3_ClassFiles" detected 1771 changed files and 13 changed directories.
12-09-26 10:55:22 2685	INFO	FLOW3	The security policies have changed, flushing the policy cache.
12-09-26 10:55:22 2685	INFO	FLOW3	A Routes.yaml file has been changed, flushing the routing cache.
12-09-26 10:55:22 2685	INFO	FLOW3	The configuration has changed, triggering an AOP proxy class rebuild.
12-09-26 10:55:22 2685	INFO	FLOW3	File Monitor "FLOW3_ConfigurationFiles" detected 63 changed files and 7 changed directories.
12-09-26 10:55:22 2685	INFO	FLOW3	The localization files have changed, thus flushing the I18n XML model cache.

12-09-26 10:55:22 2685	INFO	FLOW3	File Monitor "FLOW3_TranslationFiles" detected 7 changed files and 2 changed directories.
12-09-26 10:55:36 2685	INFO	FLOW3	Reflected 947 emerged classes.
12-09-26 10:55:39 2685	INFO	FLOW3	Aspects have been modified, therefore rebuilding all target classes.
12-09-26 10:55:45 2685	NOTICE	FLOW3	Unlocked site.

#3 - 2012-09-26 13:15 - Kobbe van Daatselaar

MEMCACHED (all done in production context)

OBJECT CONFIGURATION

```
FLOW3_Object_Configuration:
   backend: TYPO3\FLOW3\Cache\Backend\MemcachedBackend
   backendOptions:
    servers:
      - 127.0.0.1
```

I get no error when running ./flow3 flow3:core:compile
But when I open a URL in my browser I get:

    FLOW3: The compile run failed. Please check the error output or system log for more information.

There is no error in the logs:

12-09-26 11:14:37 2857	NOTICE	FLOW3	Unlocked site.
12-09-26 11:14:42 2863	NOTICE	FLOW3	Locking site. Lock file: /www/hexia/Data/Temporary/Production/FLOW3.lock
12-09-26 11:14:43 2863	INFO	FLOW3	Aspect classes have been modified, flushing the whole proxy classes cache.
12-09-26 11:14:43 2863	INFO	FLOW3	Domain model changes have been detected, triggering Doctrine 2 proxy rebuilding.
12-09-26 11:14:43 2863	INFO	FLOW3	File Monitor "FLOW3_ClassFiles" detected 1771 changed files and 13 changed directories.
12-09-26 11:14:43 2863	INFO	FLOW3	The security policies have changed, flushing the policy cache.
12-09-26 11:14:43 2863	INFO	FLOW3	A Routes.yaml file has been changed, flushing the routing cache.
12-09-26 11:14:43 2863	INFO	FLOW3	The configuration has changed, triggering an AOP proxy class rebuild.
12-09-26 11:14:43 2863	INFO	FLOW3	File Monitor "FLOW3_ConfigurationFiles" detected 63 changed files and 7 changed directories.
12-09-26 11:14:43 2863	INFO	FLOW3	The localization files have changed, thus flushing the I18n XML model cache.
12-09-26 11:14:43 2863	INFO	FLOW3	File Monitor "FLOW3_TranslationFiles" detected 7 changed files and 2 changed directories.
12-09-26 11:14:56 2863	INFO	FLOW3	Reflected 947 emerged classes.
12-09-26 11:14:59 2863	INFO	FLOW3	Aspects have been modified, therefore rebuilding all target classes.
12-09-26 11:15:07 2863	NOTICE	FLOW3	Unlocked site.

#4 - 2012-09-26 13:21 - Kobbe van Daatselaar

In general it would be nice if the caching segment of the documentation was updated with different backend setups (what can be cached and what

frontend / backend can be used).

Apparently not all combinations can be used. For example: reflection data can only be cached on disk (which is slow) but it contains the largest amount of data.

#5 - 2012-10-25 15:56 - Thomas Plessis

Kobbe van Daatselaar wrote:

> *In general it would be nice if the caching segment of the documentation was updated with different backend setups (what can be cached and what frontend / backend can be used).*

Agreed with that too! :) I'm a bit confused with all those system cache.