TYPO3.Flow - Task # 55957

Status:	New	Priority:	Should have
Author:	Christopher Hlubek	Category:	AOP
Created:	2014-02-13	Assigned To:	
Updated:	2014-02-28	Due date:	
Sprint:			
PHP Version:			
Has patch:	No		
Complexity:			
Subject:	RFC: Optimize AOP proxies		
Description			
	each of applying AOP in generated pro		nPoint call user func array
\$adviceObject->\$ - Profiling infor - The creation - The *Advice	inow the dynamic calls during debuggin smethodName(\$joinPoint)) rmation contains a lot of these dynamic of all advices for all methods in the co objects that are used to evaluate the a de is hard to understand, it's not obvic	c calls where it's again hard to fo nstructor has some overhead dvices dynamically add an addi	ollow parent / child call relations
Idea:			
- Use a direct	vices in the proxied method, this is sin call to the aspect method for easier to call to the original method by using a c _invokeJoinPoint	debug code	nvocation with
Sketch:			
php</td <td></td> <td></td> <td></td>			
class TargetC	lass01 extends TargetClass01_Origin	al implements \TYPO3\Flow\Ob	ject\Proxy\ProxyInterface {
/**			
,	erated Proxy Method		
*/			
	ionconstruct() {		
	sthis->Flow_Aop_Proxy_methodIsInAc ::construct();	lviceMode['construct'])) {	
	-Flow_Aop_Proxy_methodIsInAdviceN	lode['construct'] = TRUE;	
	ethodArguments = array();		
// Tł	ne advice chain is only needed for an <i>i</i>	Around advice, before advices c	could be directly placed here

// The advice chain is composed of a list of closures that actually call the method / advices to have an explicit call instead of call_user_func_array

// (we could cache the advice chain instances per method if we can measure a performance improvement)
\$adviceChain = new LightweightAdviceChain(function(\$joinPoint) {

```
// Needs PHP 5.4
return parent::__construct();
});
```

\$joinPoint = new \TYPO3\Flow\Aop\JoinPoint(\$this, 'TYPO3\Flow\Tests\Unit\Aop\Fixtures\TargetClass01',
'__construct', \$methodArguments, \$adviceChain);

\$aspect =

\TYPO3\Flow\Core\Bootstrap::\$staticObjectManager->get('TYPO3\Flow\Tests\Functional\Aop\Fixtures\BaseFunctionalityTestingAspect'); gAspect');

```
// The advices are invoked explicitly for easier debugging and profiling
%result = $aspect->lousyConstructorAdvice($joinPoint);
} catch (\Exception $e) {
    unset($this->Flow_Aop_Proxy_methodIsInAdviceMode['__construct']);
    throw $e;
}
unset($this->Flow_Aop_Proxy_methodIsInAdviceMode['__construct']);
return;
}
if (get_class($this) === 'TYPO3\Flow\Tests\Unit\Aop\Fixtures\TargetClass01') {
    $this->initializeObject(1);
}
```

History

}