

## TYPO3.Flow - Bug # 28638

<b>Status:</b>	Resolved	<b>Priority:</b>	Should have
<b>Author:</b>	Bastian Waidelich	<b>Category:</b>	AOP
<b>Created:</b>	2011-08-01	<b>Assigned To:</b>	Robert Lemke
<b>Updated:</b>	2011-09-29	<b>Due date:</b>	
<b>PHP Version:</b>			
<b>Has patch:</b>			
<b>Complexity:</b>			
<b>Affected Flow version:</b>			
<b>Subject:</b>	Signals can't be defined in abstract classes		
<b>Description</b>			
<p>The AOP ProxyClassBuilder produces invalid code when signals are defined in an abstract class.</p>			
<b>Steps to reproduce:</b>			
<pre>AbstractSignalTest.php 1&lt;?php 2namespace Foo\Bar; 3abstract class AbstractSignalTest { 4 5  public function testSignal() { 6    \$this-&gt;emitTestSignal(); 7  } 8 9  /** 10   * @signal 11   */ 12  public function emitTestSignal() {} 13} 14 15?&gt;</pre>			
<pre>SignalTest.php 1&lt;?php 2namespace Foo\Bar; 3class SignalTest extends AbstractSignalTest { 4 5} 6?&gt;</pre>			
<p>In some controller:</p> <pre>1\$signalTest = new \Foo\Bar\SignalTest(); 2\$signalTest-&gt;testSignal();</pre>			
<b>Result:</b>			
<pre>#1: Notice: Undefined index: emitTestSignal in Development\Cache\Code\FLOW3_Object_Classes\Foo_Bar_AbstractSignalTest.php line 98</pre>			

The problem is, that the proxy code tries to access `$this->FLOW3_AOP_Proxy_targetMethodsAndGroupedAdvices` which is declared private.

## Associated revisions

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### Revision 43f08cbd - 2011-09-19 17:05 - Bastian Waidelich

[BUGFIX] Proxy code of advised abstract classes don't produce errors

The AOP ProxyClassBuilder produced invalid code when signals were defined in an abstract class. This was due to invalid proxy class code and a wrong initialization procedure.

This change fixes the issue by making sure that the advice information is also built for parent proxy classes when sub classes are used.

Additionally this change set contains functional tests for the AOP proxy and the signal slot mechanism.

Change-Id: I6480321c117dc0eb264fda45a952d27505156f82

Fixes: #28638

## History

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### #1 - 2011-08-01 12:46 - Mr. Hudson

- Status changed from Accepted to Under Review

Patch set 1 of change I6480321c117dc0eb264fda45a952d27505156f82 has been pushed to the review server.

It is available at <http://review.typo3.org/3971>

### #2 - 2011-08-01 17:01 - Bastian Waidelich

- Priority changed from Should have to Must have

### #3 - 2011-08-04 09:13 - Sebastian Kurfuerst

- Priority changed from Must have to Should have

### #4 - 2011-08-24 10:33 - Robert Lemke

- Target version changed from 1.0 beta 1 to 1.0 beta 2

As far as I can see, the problem is not limited to just signals, but any advised method of an abstract class. If so, we should rephrase / rename this issue.

### #5 - 2011-09-09 15:17 - Robert Lemke

- Target version changed from 1.0 beta 2 to 1.0.0

### #6 - 2011-09-19 17:05 - Mr. Hudson

Patch set 2 of change I6480321c117dc0eb264fda45a952d27505156f82 has been pushed to the review server.

It is available at <http://review.typo3.org/3971>

**#7 - 2011-09-20 10:36 - Bastian Waidelich**

- *Status changed from Under Review to Resolved*

- *% Done changed from 0 to 100*

Applied in changeset commit:43f08cbd553613dea9c927c297ab677440806f04.

**#8 - 2011-09-20 11:54 - Christopher Hlubek**

I have some kind of a regression with this after further testing (didn't notice this at first):

If a class uses a magic `__call` method to handle dynamic function calls, a `is_callable('parent::FLOW3_AOP...')` will always return `TRUE`, such that an object receives a call with `FLOW3_AOP_Proxy_buildMethodsAndAdvicesArray`. This could be misleading and caused problems with the SOAP package for me. A quick fix is to filter such method calls (e.g. starting with "FLOW3\_AOP") inside a custom `__call` method, but I consider this a quick hack and not a long-term solution.

Can we detect somehow, that a parent *really* has this method during compilation (e.g. reflection)?

**#9 - 2011-09-20 11:54 - Christopher Hlubek**

- *Status changed from Resolved to Needs Feedback*

**#10 - 2011-09-21 11:53 - Bastian Waidelich**

- *Assigned To changed from Bastian Waidelich to Robert Lemke*

**#11 - 2011-09-29 12:35 - Karsten Dambekalns**

- *Status changed from Needs Feedback to Resolved*

**#12 - 2011-09-29 12:36 - Karsten Dambekalns**

The regression has been fixed with `lcf6bdf3f789162afbca61d7cf915dbb7ecd583d5` (<https://review.typo3.org/#change.5409>)