TYPO3.Flow - Bug # 11017

Status:	Resolved	**Priority:**	Should have
Author:	Christopher Hlubek	**Category:**	AOP
Created:	2010-11-23	**Assigned To:**	Christopher Hlubek
Updated:	2010-11-24	**Due date:**	

PHP Version:	
Has patch:	
Complexity:	
Affected Flow version:	
Subject:	Using a method visibility inside a pointcut throws an exception
Description	

FLOW3 throws an Exception if a pointcut like this is registered.

```
  /**
   * Advice for logging service requests
   *
   * @param \F3\FLOW3\AOP\JoinPointInterface
   * @return void
   * @after method(public F3\Foo\Service\.*Service->[a-z].*())
   */
  public function logServiceRequest(\F3\FLOW3\AOP\JoinPointInterface $joinPoint) {
  }
```

Without "public" the pointcut works but it will match non-public methods.

```
  15 ReflectionClass::__construct("")

  Packages/Framework/FLOW3/Classes/Reflection/ClassReflection.php:

  00042:   */
  00043: public function __construct($className) {

  00044:   parent::__construct($className);

  00045: }
  00046:

  14 F3\FLOW3\Reflection\ClassReflection::__construct("")

  Packages/Framework/FLOW3/Classes/Reflection/ReflectionService.php:

  00836:   $this->log('Reflecting class "' . $className . '" (' . ($this->initialized ? '' : 'not ') . 'initialized)', LOG_DEBUG);
  00837:

  00838:   $class = new \F3\FLOW3\Reflection\ClassReflection($className);

  00839:   $this->reflectedClassNames[$className] = time();
  00840:
```

13 F3\FLOW3\Reflection\ReflectionService::reflectClass("")

Packages/Framework/FLOW3/Classes/Reflection/ReflectionService.php:

00552:   public function isMethodPublic($className, $methodName) {
00553: $className = trim($className, '\\');

00554:   if (!isset($this->reflectedClassNames[$className])) $this->reflectClass($className);

00555:   return (isset($this->methodVisibilities[$className][$methodName]) &&
$this->methodVisibilities[$className][$methodName] === ' ');
00556:   }

12 F3\FLOW3\Reflection\ReflectionService::isMethodPublic(NULL, "__construct")

Packages/Framework/FLOW3/Classes/AOP/Pointcut/PointcutMethodNameFilter.php:

00100:   switch ($this->methodVisibility) {
00101:   case 'public' :

00102: $visibilityMatches = $this->reflectionService->isMethodPublic($methodDeclaringClassName, $methodName);

00103:   break;
00104:   case 'protected' :

11 F3\FLOW3\AOP\Pointcut\PointcutMethodNameFilter::matches("F3\CouchDB\EntityByParentIdentifierView", "__construct",
NULL, 102)

Packages/Framework/FLOW3/Classes/AOP/Pointcut/PointcutFilterComposite.php:

00084:   list($operator, $filter) = $operatorAndFilter;
00085:

00086: $currentFilterMatches = $filter->matches($className, $methodName, $methodDeclaringClassName,
$pointcutQueryIdentifier);

00087: $currentRuntimeEvaluationsDefintion = $filter->getRuntimeEvaluationsDefinition();
00088:

10 F3\FLOW3\AOP\Pointcut\PointcutFilterComposite::matches("F3\CouchDB\EntityByParentIdentifierView", "__construct",
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9 F3\FLOW3\AOP\Pointcut\PointcutFilterComposite::matches("F3\CouchDB\EntityByParentIdentifierView", "__construct", NULL, 102)

Packages/Framework/FLOW3/Classes/AOP/Pointcut/Pointcut.php:

00112: }
00113:

00114:   return $this->pointcutFilterComposite->matches($className, $methodName, $methodDeclaringClassName, $pointcutQueryIdentifier);

00115: }
00116:

8 F3\FLOW3\AOP\Pointcut\Pointcut::matches("F3\CouchDB\EntityByParentIdentifierView", "__construct", NULL, 102)

Packages/Framework/FLOW3/Classes/AOP/Builder/ProxyClassBuilder.php:

00294:   if ($this->reflectionService->isMethodFinal($targetClassName, $methodName)) continue;
00295:

00296:   if ($pointcut->matches($targetClassName, $methodName, $methodDeclaringClassName, $pointcutQueryIdentifier)) {

00297: $advice = $advisor->getAdvice();
00298: $interceptedMethods[$methodName]['groupedAdvices'][get_class($advice)][] = $advice;

7 F3\FLOW3\AOP\Builder\ProxyClassBuilder::addAdvicedMethodsToInterceptedMethods(array, array, "F3\CouchDB\EntityByParentIdentifierView", array)

Packages/Framework/FLOW3/Classes/AOP/Builder/ProxyClassBuilder.php:

00145:
00146: $interceptedMethods = array();

00147: $this->addAdvicedMethodsToInterceptedMethods($interceptedMethods, array_merge($methodsFromTargetClass, $methodsFromIntroducedInterfaces), $targetClassName, $aspectContainers);

00148: $this->addIntroducedMethodsToInterceptedMethods($interceptedMethods, $methodsFromIntroducedInterfaces);
00149: if (count($interceptedMethods) < 1 && count($introducedInterfaces) < 1) return FALSE;

6 F3\FLOW3\AOP\Builder\ProxyClassBuilder::buildProxyClass("F3\CouchDB\EntityByParentIdentifierView", array, "Development")

Packages/Framework/FLOW3/Classes/AOP/Framework.php:

00244:
00245:   foreach ($dirtyTargetClassNames as $targetClassName) {

00246: $proxyBuildResult = $this->proxyClassBuilder->buildProxyClass($targetClassName, $this->aspectContainers, $this->objectManager->getContext());

00247:   if ($proxyBuildResult !== FALSE) {

```
00248:     $this->targetAndProxyClassNames[$targetClassName] = $proxyBuildResult['proxyClassName'];
```

Associated revisions

Revision 57e14528 - 2010-11-24 11:21 - Christopher Hlubek

[+BUGFIX] FLOW3 (AOP): Fix method visibility for default constructor

Advices with a visibility specifier in the pointcut expression failed
when the default constructor with a NULL original declaring class name
was encountered.

Change-Id: I900b364b3143f112500498a9ec7f67bc626cc14e
Fixes: #11017

History

#1 - 2010-11-23 12:09 - Karsten Dambekalns

And what is the exception? That's only the backtrace... :)

#2 - 2010-11-23 12:39 - Christopher Hlubek

It's a ReflectionException: Class does not exist because isMethodPublic is called on a NULL class name.

#3 - 2010-11-23 12:42 - Karsten Dambekalns

- Status changed from New to Under Review

- Assigned To set to Christopher Hlubek

- Target version set to 1.0 alpha 14

https://review.typo3.org/375

#4 - 2010-11-24 12:00 - Christopher Hlubek

- Status changed from Under Review to Resolved

- % Done changed from 0 to 100

Applied in changeset commit:"57e14528a0dea019345fd24dfedb6c995c90cc3c".