

TYPO3.Flow - Feature #43819

Support lazy dependency injection of properties

2012-12-10 10:57 - Christopher Hlubek

Status:	Resolved	Start date:	2012-12-09
Priority:	Should have	Due date:	
Assignee:	Christopher Hlubek	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:		Complexity:	
PHP Version:			
Has patch:	No		

Description

```
<?php
namespace Test;

class SomeDependency {

    public function __construct() {
        echo "Construct SomeDependency\n";
    }

    public function foo() {
        echo "Foo called\n";
    }
}

class LazyProxy_Original {

    //
    // /**
    //  * @Flow\Inject(lazy=true)
    //  * @var \Test\SomeDependency
    //  */
    // protected $someProperty;

    public function doSomething() {
        for ($i = 0; $i < 4; $i++) {
            $this->someDependency->foo();
        }
        // $this->fooBar->unknown();
    }
}

class LazyProxy extends LazyProxy_Original {

    public function __construct() {
        echo "Construct LazyProxy\n";
    }

    function __get($name) {
        echo "LazyProxy get($name)\n";
        switch ($name) {
            case 'someDependency':
                $object = new SomeDependency();
                break;
            default:
                trigger_error(
                    'Undefined property via __get(): ' . $name,
                    E_USER_NOTICE);
        }
    }
}
```

```
        return NULL;
    }
    $this->{$name} = $object;
    return $object;
}
}

$lazy = new LazyProxy();
$lazy->doSomething();

?>
```

Related issues:

Related to TYPO3 Core - Feature #48960: Extbase: Backport lazy dependency inj...

Rejected

2013-06-08

Associated revisions

Revision ff8608f1 - 2013-03-15 21:21 - Robert Lemke

[!!!][FEATURE] Lazy Dependency Injection

This introduces lazy dependency injection for dependencies injected through Property Injection. Instead of loading the respective class and instantiating the dependency right away, a proxy object is injected which automatically replaces itself with the real dependency once a method is called on it.

The @Inject annotation now accepts an optional argument "lazy" which allows for turning off lazy dependency injection in specific cases.

Please read the new section in the Object Management chapter of the Flow manual, included in this change set.

Change-Id: Ia61e40708cdb3d00210df9a5630e64aa8f89b82a

Resolves: #43819

Releases: master, 2.0

Revision 7e03bb9e - 2013-03-20 16:53 - Robert Lemke

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Revision e2b1413a - 2013-03-27 12:05 - Robert Lemke

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History

#1 - 2013-03-14 19:27 - Gerrit Code Review

- Status changed from New to Under Review

Patch set 1 for branch **master** has been pushed to the review server.
It is available at <https://review.typo3.org/18917>

#2 - 2013-03-14 19:31 - Gerrit Code Review

Patch set 2 for branch **master** has been pushed to the review server.
It is available at <https://review.typo3.org/18917>

#3 - 2013-03-14 19:51 - Gerrit Code Review

Patch set 3 for branch **master** has been pushed to the review server.
It is available at <https://review.typo3.org/18917>

#4 - 2013-03-14 20:15 - Gerrit Code Review

Patch set 4 for branch **master** has been pushed to the review server.
It is available at <https://review.typo3.org/18917>

#5 - 2013-03-15 12:53 - Gerrit Code Review

Patch set 5 for branch **master** has been pushed to the review server.
It is available at <https://review.typo3.org/18917>

#6 - 2013-03-15 13:20 - Gerrit Code Review

Patch set 6 for branch **master** has been pushed to the review server.
It is available at <https://review.typo3.org/18917>

#7 - 2013-03-15 16:32 - Gerrit Code Review

Patch set 7 for branch **master** has been pushed to the review server.
It is available at <https://review.typo3.org/18917>

#8 - 2013-03-15 18:34 - Gerrit Code Review

Patch set 8 for branch **master** has been pushed to the review server.
It is available at <https://review.typo3.org/18917>

#9 - 2013-03-15 21:15 - Gerrit Code Review

Patch set 9 for branch **master** has been pushed to the review server.
It is available at <https://review.typo3.org/18917>

#10 - 2013-03-15 21:21 - Gerrit Code Review

Patch set 10 for branch **master** has been pushed to the review server.
It is available at <https://review.typo3.org/18917>

#11 - 2013-03-15 22:36 - Anonymous

- Status changed from Under Review to Resolved
- % Done changed from 0 to 100

Applied in changeset [ff8608f1c296d7cfe8865e629f6d0cdf07a67e61](https://review.typo3.org/18917).

#12 - 2013-03-20 16:54 - Gerrit Code Review

- Status changed from Resolved to Under Review

Patch set 1 for branch **2.0** has been pushed to the review server.
It is available at <https://review.typo3.org/19099>

#13 - 2013-03-27 12:08 - Gerrit Code Review

Patch set 1 for branch **composer** has been pushed to the review server.
It is available at <https://review.typo3.org/19362>

#14 - 2013-03-27 13:37 - Anonymous

- *Status changed from Under Review to Resolved*

Applied in changeset [e2b1413afaa02c35d0b65965e2d64ab9cfcd8cb](#).