

TYPO3.Flow - Feature #30300

Support mapping to subclass by argument

2011-09-26 17:09 - Christopher Hlubek

Status:	Resolved	Start date:	2011-09-26
Priority:	Should have	Due date:	
Assignee:	Christopher Hlubek	% Done:	100%
Category:	Property	Estimated time:	0.00 hour
Target version:	1.1 beta 1	Complexity:	
PHP Version:			
Has patch:	No		

Description

When type hierarchies are used for modeling, it's necessary to map to a special subclass when creating new entities. This should be possible by a special (request) parameter in the source array of a type converter. For security reasons, this feature must be configured explicitly through a mapping configuration.

Example:

```
class MyProject\MySpecialUser extends MyProject\User

source = {
    __type: 'MyProject\MySpecialUser',
    name: 'Foo'
}

targetType = 'MyProject\User'
```

In this example, the created type should be an instance of MyProject\MySpecialUser.

The configuration could be given through a property mapping configuration like this:

```
class MyObjectController {

    /**
     * @return void
     */
    protected function initializeCreateAction() {
        $argument = $this->arguments->getArgument('newMyObject');
        $configuration = $argument->getPropertyMappingConfiguration();
        $configuration->allowOverrideTargetType();
    }

}
```

If the given type parameter is not an instance of the target type, an exception should be thrown.

Related issues:

Related to TYPO3.Flow - Bug #32829: Mapping to a subclass by __type property ...	Resolved	2011-12-24
Related to TYPO3 Core - Bug #49803: Problems in overriding objects with new p...	Closed	2013-07-09

Associated revisions

Revision 41c21ba3 - 2011-11-07 22:29 - Christopher Hlubek

[FEATURE] Support mapping to specific subtypes by property (__type)

When type hierarchies are used for modeling, it's sometimes necessary to use a special subclass when creating new entities (e.g. from user selection). This change enables the use of a special (request) property "__type" in the source array of a type converter. For security reasons, this feature must be configured explicitly through a mapping configuration.

Resolves: #30300
Releases: 1.1
Change-Id: I6d0a9d62789bd8557a848311e1f13f0c094dc51f

History

#1 - 2011-09-26 18:07 - Mr. Hudson

- Status changed from New to Under Review

Patch set 2 of change I6d0a9d62789bd8557a848311e1f13f0c094dc51f has been pushed to the review server.
It is available at <http://review.typo3.org/5355>

#2 - 2011-09-29 11:03 - Mr. Hudson

Patch set 3 of change I6d0a9d62789bd8557a848311e1f13f0c094dc51f has been pushed to the review server.
It is available at <http://review.typo3.org/5355>

#3 - 2011-11-07 22:24 - Karsten Dambekalns

- Category set to Property
- Assignee set to Christopher Hlubek
- Target version set to 1.1
- Has patch set to No

#4 - 2011-11-07 22:30 - Mr. Hudson

Patch set 4 of change I6d0a9d62789bd8557a848311e1f13f0c094dc51f has been pushed to the review server.
It is available at <http://review.typo3.org/5355>

#5 - 2011-11-10 11:36 - Christopher Hlubek

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

Applied in changeset [41c21ba3b019c4f6e31760235cff96950c750a01](http://review.typo3.org/5355).

#6 - 2011-12-21 12:38 - Karsten Dambekalns

- Target version changed from 1.1 to 1.1 beta 1