

## TYPO3.Flow - Feature #58696

### TypedArrayConverter

2014-05-11 13:57 - Bastian Waidelich

<b>Status:</b>	Resolved	<b>Start date:</b>	2014-05-11
<b>Priority:</b>	Should have	<b>Due date:</b>	
<b>Assignee:</b>	Bastian Waidelich	<b>% Done:</b>	100%
<b>Category:</b>	Property	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Complexity:</b>	
<b>PHP Version:</b>			
<b>Has patch:</b>	No		

**Description**

Flow is missing a TypeConverter that can turn simple arrays into an "object array" (aka generics). For this to work the PropertyMapper needs to be adjusted because currently it cuts off possible element type notations ("`<Some\Element\Type>`") from the targetType before calling `canConvertFrom()`.

#### Associated revisions

##### Revision a7520579 - 2014-06-11 12:39 - Bastian Waidelich

[!!!][TASK] Don't cut off element type in PropertyMapper

Before a TypeConverter is used, the PropertyMapper calls a method `canConvertFrom()` on it with the current source and the expected target type.

Previously a possible element type was cut off from the target type before, so for a target type of `SomeType<SomeElementType>` only the string `SomeType` was passed to `canConvertFrom()`.

This makes it impossible to create a TypeConverter for a collection type of a specific element type.

This is a breaking change if you created a custom TypeConverter for a collection type (such as `array`, `SplObjectStorage`, `ArrayObject` or one of its subtypes), implemented the `canConvertFrom()` method and expected the second parameter to be the truncated target type.

In this case simply add a line::

```
$targetType = TypeHandling::truncateElementType($targetType);
```

to the beginning of the method body.

Change-Id: I5859f4494beeb7fb86dd82a47b15172d849e252e

Related: #58696

Releases: master

##### Revision d068f42d - 2014-06-11 12:41 - Bastian Waidelich

[FEATURE] Typed array TypeConverter

Implements a TypeConverter for object arrays (aka generics). This allows for converting simple arrays to arrays of entites for example, executing type conversion for the element type recursively.

Change-Id: I304e0b76164f83a85c3ca3f4d0ed630b04319426

Resolves: #58696

Releases: master

#### History

##### #1 - 2014-05-11 14:16 - Gerrit Code Review

- Status changed from Accepted to Under Review

Patch set 1 for branch **master** of project **Packages/TYPO3.Flow** has been pushed to the review server.

It is available at <https://review.typo3.org/30010>

**#2 - 2014-06-11 11:59 - Gerrit Code Review**

Patch set 2 for branch **master** of project **Packages/TYPO3.Flow** has been pushed to the review server.  
It is available at <https://review.typo3.org/30010>

**#3 - 2014-06-11 12:41 - Gerrit Code Review**

Patch set 3 for branch **master** of project **Packages/TYPO3.Flow** has been pushed to the review server.  
It is available at <https://review.typo3.org/30010>

**#4 - 2014-06-12 12:36 - Bastian Waidelich**

- *Status changed from Under Review to Resolved*

- *% Done changed from 0 to 100*

Applied in changeset [d068f42d798c2f4e710f3e6535c0510e414eb88d](#).