TYPO3.Flow - Bug # 32984

Status:	Resolved	**Priority:**	Must have
Author:	Sebastian Kurfuerst	**Category:**	Utility
Created:	2012-01-05	**Assigned To:**	Sebastian Kurfuerst
Updated:	2012-01-18	**Due date:**	

PHP Version:

Has patch: Yes

Complexity:

Affected Flow version: FLOW3 1.0.0

Subject:	ArrayMergeRecursiveOverrule does not override arrays with simple types

Description

While working on some improvements for the Configuration subsystem, I stumbled over the following issue in arrayMergeRecursiveOverrule:

If the first element contains an array, and the second element contains a simple type at a certain position, the ORIGINAL array is used. I think that's a bug, preventing to reset arrays in configuration.

The following test demonstrates this:

```
 1'inputArray1' => array(
 2   'k1' => 'v1',
 3   'k2' => array(
 4       'k2.1' => 'v2.1'
 5   ),
 6),
 7'inputArray2' => array(
 8   'k2' => 'v2a',
 9   'k3' => 'v3'
10),
11// That's what SHOULD happen IMHO
12'expected' => array(
13   'k1' => 'v1',
14   'k2' => 'v2a',
15   'k3' => 'v3'
16)
17// That's what happens currently
18'actual' => array(
19   'k1' => 'v1',
20   'k2' => array(
21       'k2.1' => 'v2.1'
22   ),
23   'k3' => 'v3'
24)
```

This has drastical implications on configuration handling, as it makes it impossible to override an array with NULL:

```
// per-package settings.yaml
Foo:
 Bar:
   Baz: value
```

```
// global settings.yaml
Foo:
  Bar: NULL

// Expected:
array('Foo' => array('Bar' => NULL))

// Actual (right now)
array('Foo' => array('Bar' => array('Baz' => 'value')))
```

Associated revisions

Revision b7e76ffd - 2012-01-05 08:04 - Sebastian Kurfuerst

[BUGFIX] (Utility): ArrayMergeRecursiveOverrule does not override arrays with simple types

If the first element contains an array, and the second element contains a simple
type at a certain position, the ORIGINAL array is used. That bug prevents to reset
array in configuration for example.

A full example is given in issue #32984.

I also added first unit tests for the ArrayMergeRecursiveOverrule function.

Fixes: #32984
Releases: 1.0, 1.1
Change-Id: I676efcb8c6de9e376f7dd7ea364b3c3a99b1625a

Revision d65fe22c - 2012-01-10 11:27 - Sebastian Kurfuerst

[BUGFIX] ArrayMergeRecursiveOverrule does not override arrays with simple types

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type at a certain position, the ORIGINAL array is used. That bug prevents to reset
array in configuration for example.

A full example is given in issue #32984.

I also added first unit tests for the ArrayMergeRecursiveOverrule function.

Change-Id: I98f92ea792d64b568a4695395920093167e72aa1
Fixes: #32984
Releases: 1.0, 1.1

History

#1 - 2012-01-05 07:59 - Sebastian Kurfuerst

- Target version set to 1.1

- Has patch changed from No to Yes

#2 - 2012-01-05 08:00 - Sebastian Kurfuerst

- Subject changed from ArrayMergeRecursiveOverrule does not override arrays with string values to ArrayMergeRecursiveOverrule does not override arrays with simple types

#3 - 2012-01-05 08:04 - Gerrit Code Review

- Status changed from Accepted to Under Review

Patch set 1 for branch **master** has been pushed to the review server.

It is available at http://review.typo3.org/7676

#4 - 2012-01-10 11:27 - Gerrit Code Review

Patch set 1 for branch **FLOW3-1.0** has been pushed to the review server.

It is available at http://review.typo3.org/7716

#5 - 2012-01-18 03:26 - Sebastian Kurfuerst

- Status changed from Under Review to Resolved

- % Done changed from 0 to 100

Applied in changeset commit:b7e76ffd7eed0fb6648d07ec0d5cf109f3ff8568.