

## TYPO3 Core - Bug #19938

### warning: in\_array wrong datatype

2009-01-30 08:41 - Franz Holzinger

<b>Status:</b> Closed	<b>Start date:</b> 2009-01-30
<b>Priority:</b> Should have	<b>Due date:</b>
<b>Assignee:</b>	<b>% Done:</b> 100%
<b>Category:</b> felogin	<b>Estimated time:</b> 0.00 hour
<b>Target version:</b>	<b>Complexity:</b>
<b>TYPO3 Version:</b> 4.5	<b>Is Regression:</b>
<b>PHP Version:</b>	<b>Sprint Focus:</b>
<b>Tags:</b>	
<b>Description</b>	
I get a warning message:  Warning: in_array() [function.in-array]: Wrong datatype for second argument in /home/jambage.com/public_html/typo3_src-4.2.5/typo3/sysext/felogin/pi1/class.tx_felogin_pi1.php on line 569 on the page <a href="http://www.jambage.com/index.php?id=213&amp;tx_ttboard_pi_list[uid]=2186&amp;cHash=d5fd8d83c1">http://www.jambage.com/index.php?id=213&amp;tx_ttboard_pi_list[uid]=2186&amp;cHash=d5fd8d83c1</a> after login.  (issue imported from #M10303)	
<b>Related issues:</b>	
Related to TYPO3 Core - Bug #23324: getPreserveGetVars does not work as expected	<b>Closed</b> <b>2010-07-31</b>
Related to TYPO3 Core - Bug #36894: [felogin] Wrong action url when nested ar...	<b>Closed</b> <b>2012-05-06</b>
Related to TYPO3 Core - Bug #38589: Error in tx_felogin_pi1->getPreserveGetVars	<b>Closed</b> <b>2012-07-03</b>
Related to TYPO3 Core - Bug #23649: felogin::getPreserveGetVars() decode enco...	<b>Closed</b> <b>2010-09-29</b>
Related to TYPO3 Core - Bug #42705: PHP Warning: in_array() is boolean in fel...	<b>Closed</b> <b>2012-11-05</b>

### Associated revisions

#### Revision a0f4d13c - 2012-11-15 11:44 - Jigal van Hemert

[BUGFIX] EXT:felogin: Multiple bugs with preserveGETvars

Refactor and fix handling of preserveGETvars in felogin. \* Add support for multi dimensional arrays \* urlencode() values \* Preserve only parameters defined in 'preserveGETvars'

The patch adds a new ArrayUtility method to handle recursive array intersections. See the unit tests for details.

Change-Id: I90e2f8eb79586369a9c15c7ef19f7658b1d65ed3

Fixes: #19938

Fixes: #23324

Fixes: #23649

Fixes: #36894

Fixes: #38589

Releases: 6.0, 4.7

Reviewed-on: <http://review.typo3.org/7638>

Reviewed-by: Anja Leichsenring

Tested-by: Anja Leichsenring

Reviewed-by: Jigal van Hemert

Tested-by: Jigal van Hemert

Reviewed-by: Christian Kuhn

Tested-by: Christian Kuhn

#### Revision 6716a6fa - 2012-11-15 13:51 - Christian Kuhn

[BUGFIX] Follow-up clean-up to #19938

Refactoring #19938 a loose end was forgotten to be removed in one test.

Change-Id: I36d1f9368eb829afebd5c3be2282811b010ed5ff

Related: #19938  
Releases: 6.0  
Reviewed-on: <http://review.typo3.org/16453>  
Reviewed-by: Christian Kuhn  
Tested-by: Christian Kuhn

#### Revision 9eca09b0 - 2013-01-25 22:30 - Jigal van Hemert

[BUGFIX] EXT:felogin: Multiple bugs with preserveGETvars

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Fixes: #36894  
Fixes: #38589  
Releases: 6.0, 4.7  
Reviewed-on: <https://review.typo3.org/16452>  
Reviewed-by: Markus Klein  
Reviewed-by: Wouter Wolters  
Tested-by: Wouter Wolters  
Reviewed-by: Anja Leichsenring  
Tested-by: Anja Leichsenring  
Reviewed-by: Christian Kuhn  
Tested-by: Christian Kuhn

## History

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### #1 - 2009-01-30 09:59 - Steffen Kamper

Which Version?  
Do you have preserveGETvars defined?

### #2 - 2009-02-07 10:51 - Franz Holzinger

This has been shipped with TYPO3 4.2.5.

My Setup is:

```
plugin.tx_felogin_pi1 {
    templateFile = fileadmin/templates/template.html
    showPermaLogin = 1
    showForgotPasswordLink = 1
    preserveGETvars = tx_ttboard_pi_tree[uid],tx_ttboard_pi_list[uid]=2168,cHash
}
```

I have seen that sometimes I get logged out immediately.

### #3 - 2009-02-07 15:46 - Steffen Kamper

you have an error in definition:

```
preserveGETvars = tx_ttboard_pi_tree[uid],tx_ttboard_pi_list[uid]=2168,cHash
```

remove =2168 and try again

### #4 - 2009-02-09 12:36 - Franz Holzinger

I have made this change now.  
But still the same PHP warning:

Warning: in\_array() [function.in-array]: Wrong datatype for second argument in  
/home/mysite.com/public\_html/typo3\_src-4.2.5/typo3/sysext/felogin/pi1/class.tx\_felogin\_pi1.php on line 569

### #5 - 2009-09-11 12:45 - Markus Kappe

Tracked the problem (TYPO3 4.2.8, felogin 1.0.0)  
class.tx\_felogin\_pi1.php line 562  
\$preserveVars =! (\$this->conf['preserveGETvars'] || \$this->conf['preserveGETvars']=='all' ? array() : implode(',',  
(array)\$this->conf['preserveGETvars']));

While `$this->conf['preserveGETvars']` holds comma separated values, it is clear that this cannot work.

Another related bug is that `preserveGETvars` does only work for one-dimensional arrays. If you have parameters like `&myext[param][0]=somevalue` it will resolve as `&myext[param]=Array`

I have just re-written the function, now it works with multidimensional arrays (needs at least php 5.1)

```
<?php
/**
 * Is used by TS-setting preserveGETvars
 * possible values are "all" or a commaseperated list of GET-vars
 * they are used as additionalParams for link generation
 * REWRITTEN BY MARKUS.KAPPE@DIX.AT @29.09.2009
 * @return string
 * additionalParams-string
 */
protected function getPreserveGetVars() {
    static $params = null;
    if (!is_null($params)) { return $params; } // caching
    $getVars = t3lib_div::_GET();
    unset($getVars['id'], $getVars['no_cache'], $getVars['logintype'], $getVars['redirect_url'], $getVars['cHash']); // never preserve this vars
    if ($this->conf['preserveGETvars'] == 'all') {
        return $params = http_build_query($getVars);
    }
    $preserveVars = t3lib_div::trimExplode(',', $this->conf['preserveGETvars']); // 'all' and [empty] dont come to here
    parse_str(join('=1&', $preserveVars).'=1', $preserveArray); // convert preserveVars to array structure

    $intersect = $this->myIntersect($getVars, $preserveArray);
    return $params = '&'.http_build_query($intersect);
}

/**
 * calculates intersection of two arrays like array_intersect_key but recursive
 * INTRODUCED BY MARKUS.KAPPE@DIX.AT @29.09.2009
 *
 * @param array/mixed master array
 * @param array array that has the keys which should be kept in the master array
 * @return array/mixed cleand master array
 */
function myIntersect($master, $mask) {
    if (!is_array($master)) { return $master; }
    foreach ($master as $k=>$v) {
        if (!isset($mask[$k])) { unset ($master[$k]); continue; } // remove value from $master if the key
        if (is_array($mask[$k])) { $master[$k] = $this->myIntersect($master[$k], $mask[$k]); } // recurse
        // else simply keep value
    }
    return $master;
}
?>
```

## #6 - 2009-10-15 16:35 - Markus Klein

Line 562 has two other issues.

Take a look at this operator

```
$preserveVars = ! ( $this->conf['preserveGETvars'] || $this->conf['preserveGETvars']=='all' ? array() : implode(',', (array)$this->conf['preserveGETvars']) ) ;
```

1.)

which is interpreted as: variable = ! (something)

finally `$preserveVars` is a boolean value!  
Thats the reason for Franz's warning.

I guess it should be: = ( ! \$this->conf['preserveGETvars'] || ...

Line 562 will not throw a warning as `(array)$this->conf['preserveGETvars']` will result in an array with only one string as item 0. Imploding it converts it back to a string.

2.)  
The inline if returns two different datatypes in either case. array (`array()`) and string (`implode()`)

Nonetheless it's a good idea to implement Markus Kappe's solution!

By the way: nice greetings to Markus Kappe. As you've done our Vienna Dance website ;-)

**#7 - 2012-01-31 20:35 - Jigal van Hemert**

- Status changed from New to Under Review
- Target version changed from 0 to 1525
- TYPO3 Version set to 4.5

<https://review.typo3.org/7638>

**#8 - 2012-02-13 09:14 - Steffen Ritter**

- Target version changed from 1525 to 4.7.0-beta1

**#9 - 2012-03-05 17:56 - Steffen Ritter**

- Target version changed from 4.7.0-beta1 to 4.7.0-beta2

**#10 - 2012-03-13 14:43 - Steffen Ritter**

- Target version deleted (4.7.0-beta2)

**#11 - 2012-03-13 16:28 - Jo Hasenau**

Acutally this can be fixed easily, since \$preserveVars is expected to return an array, which is empty in case preserveGETvars is NOT set or set to "all". Otherwise it will contain the exploded values of a former comma separated list.

We have fixed it for our project by changing the line like this:

```
$preserveVars = (  
    !$this->conf['preserveGETvars'] ||  
    $this->conf['preserveGETvars']=='all' ?  
        array() :  
        t3lib_div::trimExplode(',', $this->conf['preserveGETvars'])  
);
```

And it works flawlessly.

**#12 - 2012-07-29 15:00 - Gerrit Code Review**

Patch set 3 for branch **master** has been pushed to the review server.  
It is available at <http://review.typo3.org/7638>

**#13 - 2012-07-29 15:10 - Gerrit Code Review**

Patch set 4 for branch **master** has been pushed to the review server.  
It is available at <http://review.typo3.org/7638>

**#14 - 2012-07-29 16:16 - Gerrit Code Review**

Patch set 5 for branch **master** has been pushed to the review server.  
It is available at <http://review.typo3.org/7638>

**#15 - 2012-07-29 16:55 - Gerrit Code Review**

Patch set 6 for branch **master** has been pushed to the review server.  
It is available at <http://review.typo3.org/7638>

**#16 - 2012-07-30 21:37 - Gerrit Code Review**

Patch set 7 for branch **master** has been pushed to the review server.  
It is available at <http://review.typo3.org/7638>

**#17 - 2012-09-02 17:38 - Gerrit Code Review**

Patch set 8 for branch **master** has been pushed to the review server.  
It is available at <http://review.typo3.org/7638>

**#18 - 2012-09-03 08:09 - Gerrit Code Review**

Patch set 9 for branch **master** has been pushed to the review server.  
It is available at <http://review.typo3.org/7638>

**#19 - 2012-09-03 08:26 - Gerrit Code Review**

Patch set 10 for branch **master** has been pushed to the review server.

It is available at <http://review.typo3.org/7638>

**#20 - 2012-11-13 20:01 - Gerrit Code Review**

Patch set 11 for branch **master** has been pushed to the review server.  
It is available at <http://review.typo3.org/7638>

**#21 - 2012-11-14 20:19 - Gerrit Code Review**

Patch set 12 for branch **master** has been pushed to the review server.  
It is available at <http://review.typo3.org/7638>

**#22 - 2012-11-14 22:16 - Gerrit Code Review**

Patch set 13 for branch **master** has been pushed to the review server.  
It is available at <http://review.typo3.org/7638>

**#23 - 2012-11-14 23:21 - Gerrit Code Review**

Patch set 14 for branch **master** has been pushed to the review server.  
It is available at <http://review.typo3.org/7638>

**#24 - 2012-11-14 23:26 - Gerrit Code Review**

Patch set 15 for branch **master** has been pushed to the review server.  
It is available at <http://review.typo3.org/7638>

**#25 - 2012-11-14 23:33 - Gerrit Code Review**

Patch set 16 for branch **master** has been pushed to the review server.  
It is available at <http://review.typo3.org/7638>

**#26 - 2012-11-15 00:36 - Gerrit Code Review**

Patch set 17 for branch **master** has been pushed to the review server.  
It is available at <http://review.typo3.org/7638>

**#27 - 2012-11-15 12:30 - Jigal van Hemert**

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

Applied in changeset [a0f4d13c9f53431a62845bbad31ff11bc5d5c2ef](#).

**#28 - 2012-11-15 13:40 - Gerrit Code Review**

- Status changed from *Resolved* to *Under Review*

Patch set 1 for branch **TYPO3\_4-7** has been pushed to the review server.  
It is available at <http://review.typo3.org/16452>

**#29 - 2013-01-13 19:55 - Gerrit Code Review**

Patch set 2 for branch **TYPO3\_4-7** has been pushed to the review server.  
It is available at <https://review.typo3.org/16452>

**#30 - 2013-01-25 23:30 - Jigal van Hemert**

- Status changed from *Under Review* to *Resolved*

Applied in changeset [9eca09b08b257fbdcc4053d88d1df3feeb9afd66](#).

**#31 - 2018-10-02 12:27 - Benni Mack**

- Status changed from *Resolved* to *Closed*