

## TYPO3 Core - Bug #89269

### \$GLOBALS['BE\_USER']->uc sometimes wrongly written, gets a stdClass where an array would be expected

2019-09-25 15:13 - Christian EBI

<b>Status:</b>	Closed	<b>Start date:</b>	2019-09-25
<b>Priority:</b>	Should have	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	100%
<b>Category:</b>	Backend API	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	Candidate for patchlevel	<b>Complexity:</b>	
<b>TYPO3 Version:</b>	9	<b>Is Regression:</b>	Yes
<b>PHP Version:</b>		<b>Sprint Focus:</b>	
<b>Tags:</b>			
<b>Description</b>			
See issues:  <a href="https://forge.typo3.org/issues/88984">https://forge.typo3.org/issues/88984</a> <a href="https://forge.typo3.org/issues/89268">https://forge.typo3.org/issues/89268</a>			
It appears that since one of the latest patches (probalby 9.5.9), the uc is sometimes wrongly written and gets an stdClass where an array would be expected. This later leads to fatal errors because php expects an array, but gets an stdClass. Both issues seem to be related to the pagetree / States and for now just fix the symptoms.			
In <a href="#">#88984</a> it is the following setting that suddenly is an stdClass: <code>\$this-&gt;getBackendUser()-&gt;uc['BackendComponents']['States']['typo3-module-menu']</code>			
In <a href="#">#89268</a> it is the key: (from javascript) <code>BackendComponents.States.Pagetree.stateHash.0_-1</code>			
<b>Related issues:</b>			
Related to TYPO3 Core - Bug #88984: Exception in BackendController 'Cannot us...		<b>Closed</b>	<b>2019-08-20</b>
Related to TYPO3 Core - Bug #89268: Cannot use object of type stdClass as arr...		<b>Closed</b>	<b>2019-09-25</b>
Related to TYPO3 Core - Bug #86398: Interface state can't be saved		<b>Closed</b>	<b>2018-09-27</b>
Related to TYPO3 Core - Bug #89367: Revert introduction of new upgrade wizard		<b>Closed</b>	<b>2019-10-08</b>
Related to TYPO3 Core - Bug #89638: BackendUserConfigurationUpdate Upgrade Wi...		<b>Closed</b>	<b>2019-11-11</b>
Related to TYPO3 Core - Bug #91407: Pagetree not shown due to error in TYPO3\...		<b>Closed</b>	<b>2020-05-14</b>
Related to TYPO3 Core - Task #91417: Add missing documentation for BackendUse...		<b>Closed</b>	<b>2020-05-16</b>

### Associated revisions

#### Revision e8b5652d - 2019-10-08 09:38 - Christian EBI

[BUGFIX] Provide UpgradeWizard for outdated be\_users uc settings

Backend users each have a serialized array of individual user configuration, called "uc" persisted in the be\_users table. Before TYPO3 9.5, the structure of this configuration could sometimes contain stdClass objects, which is no longer supported. Logging in as a backend user with such an outdated "uc" array would then crash several parts of the TYPO3 backend, because the BackendUserConfiguration class will try to access an stdClass type configuration like an array.

An UpgradeWizard called "BackendUserConfigurationUpdate" is now provided, which allows to update any outdated "uc" structure of all backend users.

Resolves: #89269

Resolves: #89268

Resolves: #86398

Releases: master, 9.5

Change-Id: I57c57e9e745cf5cabdc2f10d645816d3958e2a0d

Reviewed-on: <https://review.typo3.org/c/Packages/TYPO3.CMS/+/-/61874>

Tested-by: TYPO3com <[noreply@typo3.com](mailto:noreply@typo3.com)>  
Tested-by: Jörg Bösche <[typo3@joergboesche.de](mailto:typo3@joergboesche.de)>  
Tested-by: Daniel Goerz <[daniel.goerz@posteo.de](mailto:daniel.goerz@posteo.de)>  
Reviewed-by: Jörg Bösche <[typo3@joergboesche.de](mailto:typo3@joergboesche.de)>  
Reviewed-by: Daniel Goerz <[daniel.goerz@posteo.de](mailto:daniel.goerz@posteo.de)>

#### Revision efb7d8a - 2019-10-29 16:17 - Christian Eßl

[BUGFIX] Provide UpgradeWizard for outdated be\_users uc settings

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Releases: master, 9.5  
Change-Id: lc2158b34e70c7f931f4ef8acc8c39af618e241e9  
Reviewed-on: <https://review.typo3.org/c/Packages/TYPO3.CMS/+/61906>  
Tested-by: TYPO3com <[noreply@typo3.com](mailto:noreply@typo3.com)>  
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Reviewed-by: Markus Klein <[markus.klein@typo3.org](mailto:markus.klein@typo3.org)>  
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Reviewed-by: Susanne Moog <[look@susi.dev](mailto:look@susi.dev)>  
Reviewed-by: Tymoteusz Motylewski <[t.motylewski@gmail.com](mailto:t.motylewski@gmail.com)>

#### Revision b7a9e095 - 2019-10-29 16:48 - Christian Eßl

[BUGFIX] Provide UpgradeWizard for outdated be\_users uc settings

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Change-Id: lc2158b34e70c7f931f4ef8acc8c39af618e241e9  
Reviewed-on: <https://review.typo3.org/c/Packages/TYPO3.CMS/+/62135>  
Tested-by: Tymoteusz Motylewski <[t.motylewski@gmail.com](mailto:t.motylewski@gmail.com)>  
Reviewed-by: Tymoteusz Motylewski <[t.motylewski@gmail.com](mailto:t.motylewski@gmail.com)>

## History

### #1 - 2019-09-25 15:13 - Christian Eßl

- Related to Bug #88984: Exception in BackendController 'Cannot use object of type stdClass as array' on \$collapseState ( line 254 ) added

### #2 - 2019-09-25 15:13 - Christian Eßl

- Related to Bug #89268: Cannot use object of type stdClass as array in BackendUserConfiguration.php added

### #3 - 2019-09-25 15:14 - Christian Eßl

- Description updated

#### #4 - 2019-09-30 15:33 - Christian EBI

- Category set to Backend API

#### #5 - 2019-10-01 08:33 - Christian EBI

After digging around the code in master a bit, I couldn't find a spot, where the uc array could possibly be filled with a stdClass structure instead of an array.

In my case, the errors described in [#89268](#) happened after upgrading a TYPO3 instance from 7.6 to the latest 9.5.

- Maybe the uc array previously could contain stdClass properties in older TYPO3 versions? I can't say that for sure
- Can't rule out that the wrong configuration could previously have been filled by a third-party extensions and this has nothing to do with the core.

Found another related ticket describing the same problems:

<https://forge.typo3.org/issues/86398>

I had the same error. It seems to occur when upgrading an old TYPO3 installation to 9.5. It was concerning only existing users - new users didn't have this problem. I suppose the reason is in the structure of the serialized array in `be_users.uc`. There might have been some structural changes.

My solution was quite simple: User Settings -> Edit and Advanced functions -> Reset user settings to default state.

Then the user config data is written new and the system can use it.

Maybe there could be provided an upgrade wizard for this...

Looks like my guess with the structural changes in the uc array between versions could be right? Then maybe the fix in [#89268](#) would be the wrong approach and an Upgrade Wizard that updates the uc structure for all backend users would be the right approach to fix this. What do you think?

#### #6 - 2019-10-01 08:38 - Christian EBI

- Related to Bug [#86398](#): Interface state can't be saved added

#### #7 - 2019-10-02 21:08 - Gerrit Code Review

- Status changed from New to Under Review

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

It is available at <https://review.typo3.org/c/Packages/TYPO3.CMS/+61874>

#### #8 - 2019-10-02 21:55 - Gerrit Code Review

Patch set 2 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.

It is available at <https://review.typo3.org/c/Packages/TYPO3.CMS/+61874>

#### #9 - 2019-10-08 09:38 - Gerrit Code Review

Patch set 1 for branch **9.5** of project **Packages/TYPO3.CMS** has been pushed to the review server.

It is available at <https://review.typo3.org/c/Packages/TYPO3.CMS/+61916>

#### #10 - 2019-10-08 09:58 - Daniel Goerz

- Related to Bug [#89367](#): Revert introduction of new upgrade wizard added

#### #11 - 2019-10-08 10:00 - Christian EBI

- Status changed from Under Review to Resolved

- % Done changed from 0 to 100

Applied in changeset [e8b5652d5a2a9c16d628804387dbff32dcb68f5f](#).

#### #12 - 2019-10-08 10:30 - Gerrit Code Review

- Status changed from Resolved to Under Review

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

It is available at <https://review.typo3.org/c/Packages/TYPO3.CMS/+61906>

#### #13 - 2019-10-09 13:40 - Gerrit Code Review

Patch set 2 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.

It is available at <https://review.typo3.org/c/Packages/TYPO3.CMS/+61906>

**#14 - 2019-10-09 13:45 - Gerrit Code Review**

Patch set 3 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.  
It is available at <https://review.typo3.org/c/Packages/TYPO3.CMS/+61906>

**#15 - 2019-10-09 15:18 - Gerrit Code Review**

Patch set 4 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.  
It is available at <https://review.typo3.org/c/Packages/TYPO3.CMS/+61906>

**#16 - 2019-10-09 15:25 - Gerrit Code Review**

Patch set 5 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.  
It is available at <https://review.typo3.org/c/Packages/TYPO3.CMS/+61906>

**#17 - 2019-10-09 15:27 - Gerrit Code Review**

Patch set 6 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.  
It is available at <https://review.typo3.org/c/Packages/TYPO3.CMS/+61906>

**#18 - 2019-10-14 17:31 - Gerrit Code Review**

Patch set 7 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.  
It is available at <https://review.typo3.org/c/Packages/TYPO3.CMS/+61906>

**#19 - 2019-10-29 16:18 - Gerrit Code Review**

Patch set 1 for branch **9.5** of project **Packages/TYPO3.CMS** has been pushed to the review server.  
It is available at <https://review.typo3.org/c/Packages/TYPO3.CMS/+62135>

**#20 - 2019-10-29 16:30 - Christian EBI**

- *Status changed from Under Review to Resolved*

Applied in changeset [efbc7d8a61e7ffa03fc572e5a066b41dc0f23e1c](https://review.typo3.org/c/Packages/TYPO3.CMS/+62135).

**#21 - 2019-11-11 12:08 - Daniel Goerz**

- *Related to Bug #89638: BackendUserConfigurationUpdate Upgrade Wizard fails on empty UC fields added*

**#22 - 2019-12-23 22:42 - Benni Mack**

- *Status changed from Resolved to Closed*

**#23 - 2020-05-15 11:43 - Oliver Hader**

- *Related to Bug #91407: Pagetree not shown due to error in TYPO3\CMS\Backend\Controller\Page\TreeController added*

**#24 - 2020-05-16 12:47 - Oliver Hader**

- *Related to Task #91417: Add missing documentation for BackendUserConfigurationUpdate added*