## TYPO3 Core - Bug #82330

## cant create inline records if ctrl > enablecolumns > endtime is not specified in childrens TCA

2017-09-07 11:55 - Tobias Liebig

| | | | | |
|---|---|---|---|---|
| **Status:** | Closed | | **Start date:** | 2017-09-07 |
| **Priority:** | Should have | | **Due date:** | |
| **Assignee:** | | | **% Done:** | 100% |
| **Category:** | | | **Estimated time:** | 0.00 hour |
| **Target version:** | next-patchlevel | | | |
| **TYPO3 Version:** | 7 | | **Complexity:** | easy |
| **PHP Version:** | | | **Is Regression:** | Yes |
| **Tags:** | | | **Sprint Focus:** | |

**Description**

In 7.6.22 i can't create new inline child records, if the child TCA does not specify ctrl >enablecolumns > endtime.

When trying to create a new inline record, the BE shows an "Error 500 Internal Server Error" notification and sys_log logs an "Uncaught TYPO3 Exception":

```
Core: Exception handler (WEB): Uncaught TYPO3 Exception: Unsupported operand types | Error thrown
in file /Users/tobias/ownCloud/Projekte/etobi/devdev7/vendor/typo3/cms/typo3/sysext/backend/Classe
s/Utility/BackendUtility.php in line 1555. Requested URL: http://devdev7.dev/typo3/index.php?ajaxI
D=%2Fajax%2Frecord%2Finline%2Fcreate&ajaxToken=d3804bcc88a0d5127fbc06f7bf2bb7e7e48b5d9a
```

# Setup/Steps to reproduce:

- TYPO3 7.6.22
- two tables (parent record and child record)
- the parent record have an inline relation to the child records
- both recors are NOT localizable (thus NO TCA ctrl > languageField specified)
- the child record DOES NOT specify enablecolumns > endtime
- create a new parent record
- create a new inline child record
- the Ajax call will throw an "Uncaught TYPO3 Exception: Unsupported operand types"

# Analysis:

In \TYPO3\CMS\Backend\Controller\FormInlineAjaxController L138-L140:
As $GLOBALS['TCA'][$parent['table']]['ctrl']['languageField']; and $GLOBALS['TCA'][$child['table']]['ctrl']['languageField']; are empty, an array like [0 => ''] will be added to $childData['databaseRow'] with an empty index key.

Later $childData['databaseRow'] will be passed to \TYPO3\CMS\Backend\Utility\BackendUtility::getRecordIconAltText.

At the end of getRecordIconAltText L2025 the records endtime is read. As enablecolumns > endtime is not specified, $ctrl['endtime'] will be empty and $row[$ctrl['endtime']] will return the [0 => ''] array added in FormInlineAjaxController L140.

$row[$ctrl['endtime']] (the [0 => ''] array) will be passed to \TYPO3\CMS\Backend\Utility\BackendUtility::daysUntil.

$delta_t = $tstamp - $GLOBALS['EXEC_TIME']; throws the "Unsupported operand types" as you can't subtract an int from an array.

This bug does not happen for starttime, as $ctrl['starttime'] as this is checked in \TYPO3\CMS\Backend\Utility\BackendUtility L2020

Solution:

- check if ['ctrl']['languageField'] (both for parent and child) are not empty in \TYPO3\CMS\Backend\Controller\FormInlineAjaxController L136
- check if $ctrl['endtime'] is not empty in \TYPO3\CMS\Backend\Utility\BackendUtility L2025

**Related issues:**

| | | |
|---|---|---|
| Related to TYPO3 Core - Bug #48883: Wrong sys_language_uid in sys_file_reference | **Closed** | **2013-06-05** |
| Related to TYPO3 Core - Bug #76048: IRRE: Child records - New record doesn't ... | **Closed** | **2016-05-04** |

| Related to TYPO3 Core - Bug #73609: Creating IRRE child element without langu... | **Closed** | **2016-02-22** |
|---|---|---|
| Has duplicate TYPO3 Core - Bug #82391: Inline records in TYPO3 v. 7.6.22 cras... | **Closed** | **2017-09-08** |
| Has duplicate TYPO3 Core - Bug #82564: Error when adding inline record that h... | **Rejected** | **2017-09-26** |

## Associated revisions

### Revision e81ced3b - 2017-09-19 14:24 - Oliver Hader

[BUGFIX] IRRE: Check if TCA['ctrl']['languageField'] is set

On creating child records for an inline field, the values of
TCA['ctrl']['languageField'] configuration of parent and child
records are used without checking if they are set at all.
This patch adds appropriate guards.

Resolves: #82330
Releases: 7.6
Change-Id: I6383e55820239b0363ff890855430ac32e2cdf62
Reviewed-on: https://review.typo3.org/53944
Reviewed-by: Tobias Liebig <tobias.liebig@typo3.org>
Tested-by: TYPO3com <no-reply@typo3.com>
Reviewed-by: Oliver Hader <oliver.hader@typo3.org>
Tested-by: Oliver Hader <oliver.hader@typo3.org>

### Revision 9c2b9b33 - 2017-10-13 22:48 - Nicole Cordes

[FOLLOWUP][BUGFIX] IRRE: Check if TCA['ctrl']['languageField'] is set

This patch adds missing functional tests for
\TYPO3\CMS\Backend\Controller\FormInlineAjaxController::createAction

Related: #82330
Releases: master, 8.7, 7.6
Change-Id: I61c8c07dd0d2c6a92bb445d7f2b6baee23251f5d
Reviewed-on: https://review.typo3.org/54171
Tested-by: TYPO3com <no-reply@typo3.com>
Reviewed-by: Christian Kuhn <lolli@schwarzbu.ch>
Tested-by: Christian Kuhn <lolli@schwarzbu.ch>
Reviewed-by: Frank Naegler <frank.naegler@typo3.org>
Tested-by: Frank Naegler <frank.naegler@typo3.org>

### Revision b2638da5 - 2017-10-15 10:34 - Nicole Cordes

[FOLLOWUP][BUGFIX] IRRE: Check if TCA['ctrl']['languageField'] is set

This patch adds missing functional tests for
\TYPO3\CMS\Backend\Controller\FormInlineAjaxController::createAction

Related: #82330
Releases: master, 8.7, 7.6
Change-Id: I61c8c07dd0d2c6a92bb445d7f2b6baee23251f5d
Reviewed-on: https://review.typo3.org/54175
Tested-by: TYPO3com <no-reply@typo3.com>
Reviewed-by: Frank Naegler <frank.naegler@typo3.org>
Tested-by: Frank Naegler <frank.naegler@typo3.org>

### Revision 33b504f1 - 2017-10-15 10:34 - Nicole Cordes

[FOLLOWUP][BUGFIX] IRRE: Check if TCA['ctrl']['languageField'] is set

This patch adds missing functional tests for
\TYPO3\CMS\Backend\Controller\FormInlineAjaxController::createAction

Related: #82330
Releases: master, 8.7, 7.6
Change-Id: I61c8c07dd0d2c6a92bb445d7f2b6baee23251f5d
Reviewed-on: https://review.typo3.org/54170
Tested-by: TYPO3com <no-reply@typo3.com>
Reviewed-by: Frank Naegler <frank.naegler@typo3.org>
Tested-by: Frank Naegler <frank.naegler@typo3.org>

## History

### #1 - 2017-09-07 11:58 - Tobias Liebig

Demo extension: https://github.com/etobi/ext-bug_endtime

**#2 - 2017-09-07 12:00 - Sven Juergens**

same problem here, thanks for explanation Tobias

**#3 - 2017-09-07 13:00 - Tobias Liebig**

Does not occur in 7.6.21 and 8.7.6

**#4 - 2017-09-07 13:17 - Tobias Liebig**

Related changeset: https://review.typo3.org/#/c/53206/

**#5 - 2017-09-07 13:24 - Gerrit Code Review**

*- Status changed from New to Under Review*

Patch set 1 for branch **TYPO3_7-6** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at https://review.typo3.org/53944

**#6 - 2017-09-07 15:41 - Gerrit Code Review**

Patch set 2 for branch **TYPO3_7-6** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at https://review.typo3.org/53944

**#7 - 2017-09-07 19:16 - Tymoteusz Motylewski**

@Tobias - does it, or does it NOT occurs in 7.6 and 8.6 ?

**#8 - 2017-09-07 19:28 - Gerrit Code Review**

Patch set 3 for branch **TYPO3_7-6** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at https://review.typo3.org/53944

**#9 - 2017-09-07 19:30 - Tobias Liebig**

Tymoteusz Motylewski wrote:

> @Tobias - does it, or does it NOT occurs in 7.6 and 8.6 ?

- It DOES occur in 7.6.22 (a regression introduced with 7.6.22)
- It DOES NOT occur in 7.6.21
- It DOES NOT occur in 8.*
- It DOES NOT occur in master

**#10 - 2017-09-07 19:44 - Tobias Liebig**

umm.. i took a moment to think about it.

while the described issue itself does not occure in 8.* and master (because it's a combination of two missing checks) it totally makes sense to apply the part in "BackendUtility.php" to master and 8.7, too.

I'll take care of that.

Should I separate the part in "BackendUtility" (which then applies to 7.6, 8.7 and master) and "FormInlineAjaxController" (which only applies to 7.6) and push two separate changes?
Or could that all be handled in one review/changeset?

**#11 - 2017-09-15 11:15 - Mathias Brodala**

*- Has duplicate Bug #82391: Inline records in TYPO3 v. 7.6.22 crash when NOT having sys_language_uid on children added*

**#12 - 2017-09-15 11:39 - Mathias Brodala**

*- Related to Bug #48883: Wrong sys_language_uid in sys_file_reference added*

**#13 - 2017-09-15 11:39 - Mathias Brodala**

*- Related to Bug #76048: IRRE: Child records - New record doesn't get language of parent (non localized records but using new button) added*

**#14 - 2017-09-15 11:39 - Mathias Brodala**

*- Related to Bug #73609: Creating IRRE child element without language of parent element added*

**#15 - 2017-09-19 13:03 - Gerrit Code Review**

Patch set 4 for branch **TYPO3_7-6** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at https://review.typo3.org/53944

**#16 - 2017-09-19 14:30 - Oliver Hader**

*- Status changed from Under Review to Resolved*

*- % Done changed from 0 to 100*

Applied in changeset e81ced3b648210ee18a19afd2c233850b010a228.

**#17 - 2017-09-27 14:05 - Stephan Großberndt**

*- Has duplicate Bug #82564: Error when adding inline record that has no endtime column configured added*

**#18 - 2018-10-02 10:57 - Benni Mack**

*- Status changed from Resolved to Closed*