

TYPO3 Core - Bug #81684

Flexform sections can't be created until content element is saved

2017-06-22 20:47 - José Ricardo

Status:	Under Review	Start date:	2017-06-22
Priority:	Should have	Due date:	
Assignee:		% Done:	0%
Category:	FormEngine aka TCEforms	Estimated time:	0.00 hour
Target version:		Complexity:	
TYPO3 Version:	8	Is Regression:	
PHP Version:		Sprint Focus:	
Tags:			

Description

Hi,

I have a very simple flexform (attached) which adds a section to a tt_content record. If i try to add items on it before saving the content, it is not added and the on the browse console I can get the error:

```
#1476107295: PHP Warning: Invalid argument supplied for foreach() in .../typo3_src/typo3/sysex/ba
ckend/Classes/Form/Container/FlexFormElementContainer.php line 47 (More information)
```

```
TYPO3\CMS\Core>Error\Exception thrown in file
.../typo3_src/typo3/sysex/core/Classes/Error/ErrorHandler.php in line 112.
```

Thought it was related to [#80825](#), but the solution for it didn't solved this problem.
If the tt_content record is already saved, the items of section are added normally.
Other data not in sections works fine.

It works fine on TYPO3 7.

I've tested this on 8.7.1 and 8.7.2 and none works.

History

#1 - 2017-06-22 20:49 - José Ricardo

- Related to Bug #80825: FlexForm Sections don't get saved before the parent record was stored to the DB added

#2 - 2018-09-10 16:36 - Fabian König

- File flexform_quickgooglemap.xml added

I have the exact same error in Typo3 Version 8.7.10. See my flexform.xml attached.

Is there a fix available? Otherwise flexform sections cannot be used productive as the editor has to always save a newly created content element to avoid this error.

#3 - 2018-09-10 16:36 - Fabian König

- Related to deleted (Bug #80825: FlexForm Sections don't get saved before the parent record was stored to the DB)

#4 - 2018-11-26 20:10 - Lorenz Ulrich

I have the same issue. Somehow it only seems to be an issue of you use type array. I will see what I find out.

#5 - 2019-04-14 21:41 - Lorenz Ulrich

Did any of the watchers find a solution to this yet?

#6 - 2019-10-01 18:14 - Christian EBl

- Category set to FormEngine aka TCEforms

#7 - 2020-03-07 19:46 - Georg Ringer

- Status changed from New to Accepted

in 10.4-dev it adds an empty section header and fails to persist.

#8 - 2021-02-18 06:44 - Tomas Norre Mikkelsen

I'm experiencing this problem after updating from 7.6 as well.

If someone needs examples, this public extension of ours has the problem.

<https://github.com/AOEpeople/TYPO3-Google-Tag-Manager>

#9 - 2021-02-19 08:24 - Tomas Norre Mikkelsen

I'm not quite there yet, but to me, it looks like

```
$GLOBALS['TCA']['tt_content']['types']['list']['subtypes_addlist'][$pluginSignature] = 'pi_flexform';
```

From "Configuration/TCA/Overrides/tt_content.php" isn't respected any more.

#10 - 2021-02-19 08:35 - Tomas Norre Mikkelsen

If I fake it and add it manually to

```
$GLOBALS["TCA"]["tt_content"]["types"]["list"]["showitem"] = $GLOBALS["TCA"]["tt_content"]["types"]["list"]["showitem"] . ',pi_flexform';
```

it works again. But I don't like the solution. The bug is still there.

#11 - 2021-02-19 08:46 - Tomas Norre Mikkelsen

Here is the change that removed the usages of

```
$GLOBALS['TCA']['tt_content']['types']['list']['subtypes_addlist']
```

<https://review.typo3.org/c/Packages/TYPO3.CMS/+41933/101/typo3/sysex/backend/Classes/Form/Container/FullRecordContainer.php#b59>

#12 - 2021-02-23 12:21 - Tomas Norre Mikkelsen

Steps to reproduce the problem, I have choose TYPO3 8.7 for the steps as the extension I have the problem with is compatible with that.

The problem has been confirmed in newer TYPO3 version like 9.5 and 10.4 as well by me, but I don't have public extension to reference for that.

1. Start a TYPO3 Installation (e.g. with DDEV) TYPO3 Version 8.7
2. Install <https://github.com/AOEpeople/TYPO3-Google-Tag-Manager>
3. Add following PageTS to a PageTS

```
# add GTM plugin to the content wizard
mod.wizards.newContentElement.wizardItems.plugins.elements.googletagmanager_datalayer {
    iconIdentifier = tx-google-tag-manager
    title = Plugins : Google Tag Manager
    description = Google Tag Manager Data Layer
    tt_content_defValues {
        CType = list
        list_type = googletagmanager_datalayer
    }
}

mod.wizards.newContentElement.wizardItems.plugins.show := addToList( googletagmanager_datalayer )
```

4. On the same page, add a new element of the "Google Tag Manager", It's important that you select the "google tag manager" directly, so that the element will not be saved first.

5. Go to the plugin tab, and click "Add Datalayer", and you will see that and "foobar" element is added.

A work around is to save the element before clicking the "Add Datalayer" and after that the element will look correct when added.

#13 - 2021-02-23 12:43 - Tomas Norre Mikkelsen

I have created a V10 branch of the extension.

<https://github.com/AOEpeople/TYPO3-Google-Tag-Manager/tree/tnm/v10test>

It Can be that the extension isn't compatible with 10 LTS, but changing the composer.json and ext_emconf.php is enough to reproduce the problem in 10.4 as well.

#14 - 2021-02-23 13:11 - Tomas Norre Mikkelsen

- File Screenshot from 2021-02-23 14_09_28.png added

In the first debug loop, when added the "Google Tag Manager" elmenet before switching to the profile tab, the "columnsToRemove" doesn't contain "pi_flexform", but when adding datalayer then it's part of "columnsToRemove".

#15 - 2021-02-23 13:37 - Georg Ringer

it works with the following flexform

```
<settingsdatalayersvars>
  <title>DataLayer Values:</title>
  <type>array</type>
  <section>1</section>
  <el>
    <datalayervar>
      <type>array</type>
      <title>DataLayer Value</title>
      <el type="array">
        <label>
          <TCEforms>
            <label>Label:</label>
            <config>
              <type>input</type>
              <eval>trim</eval>
            </config>
          </TCEforms>
        </label>
        <value>
          <TCEforms>
            <label>Value:</label>
            <config>
              <type>input</type>
              <eval>trim</eval>
            </config>
          </TCEforms>
        </value>
      </el>
    </datalayervar>
  </el>
</settingsdatalayersvars>
```

it currently does not work with having settings.datalayersvars. so I guess it is again a missing escape thing

#16 - 2021-02-24 07:45 - Tomas Norre Mikkelsen

Thanks for your input Georg. It doesn't change anything in my setup.

Still failing the same way as before.

#17 - 2021-02-24 07:51 - Tomas Norre Mikkelsen

I tested with 10.4

#18 - 2021-02-24 08:44 - Tomas Norre Mikkelsen

I have made a small screencast with to show the problem
<https://www.dropbox.com/s/a045mmnm6k1m5h/flexform.mp4?dl=0>

#19 - 2021-02-24 14:45 - Tomas Norre Mikkelsen

- File add_datalayer_before_safe.png added
- File Add_plugin_xdebug.png added

When adding the plugin at first, the default values are set.

But when the plugin is added, and pressing "add Datalayer" then the default values is empty, and therefore it's not added to the rendering.

URL from "add datalayer" button:
[http://typo3test.ddev.site/typo3/index.php?route=/record/edit&token=26e48e0d68493dec0469b133cfa56ed790e1326a&edit\[tt_content\]\[1\]=new&defVals\[tt_content\]\[colPos\]=0&defVals\[tt_content\]\[sys_language_uid\]=0&returnUrl=/typo3/index.php?route=%2Fmodule%2Fweb%2Flayout&token=7c490bc7d8a11f0e01428443b07ec05d38967c88&id=1&&defVals\[tt_content\]\[CType\]=list&defVals\[tt_content\]\[list_type\]=googletagmanager_datalayer](http://typo3test.ddev.site/typo3/index.php?route=/record/edit&token=26e48e0d68493dec0469b133cfa56ed790e1326a&edit[tt_content][1]=new&defVals[tt_content][colPos]=0&defVals[tt_content][sys_language_uid]=0&returnUrl=/typo3/index.php?route=%2Fmodule%2Fweb%2Flayout&token=7c490bc7d8a11f0e01428443b07ec05d38967c88&id=1&&defVals[tt_content][CType]=list&defVals[tt_content][list_type]=googletagmanager_datalayer)

As we see, at least the returnUrl has some defVals defined, but as this commit:
<https://github.com/TYPO3/TYPO3.CMS/commit/d29d4b5f7be4ec5d024b3d67e7e4abe97bbe4c46>

It looks like it's fetched from somewhere else and not over the _GP anymore.

I'm not sure what the fix is, but I'm quite sure that this is the problem.
Please correct me if I'm wrong.

This is btw. from a TYPO3 10.4.13

#20 - 2021-02-25 14:58 - Tomas Norre Mikkelsen

I think I have located the Problem, but not the solution.

The \$formDataCompilerInput['databaseRow'] is besides 'uid' empty, therefor there will never be found any default values for the list_type.

FormFlexAjaxController.php Line: 74

```
$formDataCompilerInput = [  
    'tableName' => $tableName,  
    'vanillaUid' => (int)$vanillaUid,  
    'command' => $command,  
    'recordTypeValue' => $recordTypeValue,  
    'processedTca' => $processedTca,  
    'flexSectionContainerPreparation' => $flexSectionContainerPreparation,  
];  
// A new container on a new record needs the 'NEW123' uid here, see comment  
// in DatabaseUniqueUidNewRow for more information on that.  
// @todo: Resolve, maybe with a redefinition of vanillaUid to transport the information more clean through this var?  
// @see issue #80100 for a series of changes in this area  
if ($command === 'new') {  
    $formDataCompilerInput['databaseRow']['uid'] = $databaseRowUid;  
}  
$formData = $formDataCompiler->compile($formDataCompilerInput);
```

Therefore the flexform isn't added to the showItems

#21 - 2021-02-26 13:23 - Tomas Norre Mikkelsen

Adding this to the FlexFormAjaxController, solves the problem for me. I'll sleep on this over the weekend, and see if I find any problems or better approaches before I push it for review.

```
if ($command === 'new') {  
    $formDataCompilerInput['databaseRow']['uid'] = $databaseRowUid;  
+    $dataStructureKey = $queryParameters['dataStructureIdentifier']['dataStructureKey'];  
+    $subtypeValue = substr($dataStructureKey, 0, strpos($dataStructureKey, ','));  
+    $formDataCompilerInput['databaseRow'][$processedTca['types'][$recordTypeValue]['subtype_value_field']] = $subtypeValue;  
}
```

#22 - 2021-03-01 08:15 - Gerrit Code Review

- Status changed from Accepted 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/+68152>

Files

Components.xml	1.73 KB	2017-06-22	José Ricardo
flexform_quickgooglemap.xml	10.1 KB	2018-09-10	Fabian König
xdebug_add_datayer.png	78.6 KB	2021-02-23	Tomas Norre Mikkelsen
Add_plugin_xdebug.png	8.75 KB	2021-02-24	Tomas Norre Mikkelsen
add_datayer_before_safe.png	4.93 KB	2021-02-24	Tomas Norre Mikkelsen