

## TYPO3 Core - Bug #85710

### tx\_form: Multiple Extensions with YAML additionalViewModel overwrite configuration array

2018-08-01 18:53 - David Bascom

<b>Status:</b>	Closed	<b>Start date:</b>	2018-08-01
<b>Priority:</b>	Must have	<b>Due date:</b>	
<b>Assignee:</b>	David Bascom	<b>% Done:</b>	100%
<b>Category:</b>	Form Framework	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Complexity:</b>	
<b>TYPO3 Version:</b>	8	<b>Is Regression:</b>	
<b>PHP Version:</b>		<b>Sprint Focus:</b>	
<b>Tags:</b>			

#### Description

We have an Typo3 8.7.17 installation with two custom extensions.

Both extensions extend the tx\_form with a custom formelement and add a JS-module using the **additionalViewModelModules** in YAML.

Only the additionalViewModelModules array of the last extension is respected and loads the JS-modules from ...Resources/Public/JavaScript/Backend/FormEditor/...

This results in an empty backend-preview for the formelement of the first extension.

The FormEditorSetup.yaml of the first extension:

```
TYPO3:
  CMS:
    Form:
      prototypes:
        standard:
          formEditor:
            dynamicRequireJsModules:
              additionalViewModelModules:
                - 'TYPO3/CMS/Nnscouts/Backend/FormEditor/NnscoutsViewmodel'
```

The FormEditorSetup.yaml of the second extension:

```
TYPO3:
  CMS:
    Form:
      prototypes:
        standard:
          formEditor:
            dynamicRequireJsModules:
              additionalViewModelModules:
                - 'TYPO3/CMS/Dsgvo/Backend/FormEditor/DsgvoViewModel'
```

Reason seems to be that the merge of the arrays from **additionalViewModelModules** fails: Actually it is not merged, but the array of ext2 replaces the array of ext1 – or in other words: by the extension that was loaded last.

We made sure, that both YAML-configurations are loaded correctly and the JS-files are at the right place.

Removing the dynamicRequireJsModules-section from the second extension and adding a additional item to the array of the first extension – and vice versa – works:

```
TYPO3:
  CMS:
    Form:
      prototypes:
        standard:
```

```
formEditor:
  dynamicRequireJsModules:
    additionalViewModelModules:
      - 'TYPO3\CMS\Dsgvo\Backend\FormEditor\DsgvoViewModel'
      - 'TYPO3\CMS\Nnscouts\Backend\FormEditor\NnscoutsViewmodel'
```

## Associated revisions

### Revision 6939d0da - 2018-10-28 15:41 - Ralf Zimmermann

[BUGFIX] Registration of multiple additional view models

The form setup properties within "additionalViewModelModules" must be written as numerical associative arrays to make it possible that multiple extensions can extend the form editor with javascript modules.

Resolves: #85710

Releases: master, 8.7

Change-Id: Iaddf1bfd6f4df8d0c01e0c18be9cef458d8d2caf

Reviewed-on: <https://review.typo3.org/58106>

Tested-by: TYPO3com <[no-reply@typo3.com](mailto:no-reply@typo3.com)>

Reviewed-by: Daniel Goerz <[daniel.goerz@posteo.de](mailto:daniel.goerz@posteo.de)>

Reviewed-by: Susanne Moog <[susanne.moog@typo3.org](mailto:susanne.moog@typo3.org)>

Tested-by: Susanne Moog <[susanne.moog@typo3.org](mailto:susanne.moog@typo3.org)>

Reviewed-by: Benni Mack <[benni@typo3.org](mailto:benni@typo3.org)>

Tested-by: Benni Mack <[benni@typo3.org](mailto:benni@typo3.org)>

### Revision ed43dbe7 - 2018-10-28 17:03 - Ralf Zimmermann

[BUGFIX] Registration of multiple additional view models

The form setup properties within "additionalViewModelModules" must be written as numerical associative arrays to make it possible that multiple extensions can extend the form editor with javascript modules.

Resolves: #85710

Releases: master, 8.7

Change-Id: Iaddf1bfd6f4df8d0c01e0c18be9cef458d8d2caf

Reviewed-on: <https://review.typo3.org/58768>

Tested-by: TYPO3com <[no-reply@typo3.com](mailto:no-reply@typo3.com)>

Reviewed-by: Benni Mack <[benni@typo3.org](mailto:benni@typo3.org)>

Tested-by: Benni Mack <[benni@typo3.org](mailto:benni@typo3.org)>

## History

### #1 - 2018-08-01 23:07 - Steffen Gebert

Hi,

sorry, this is the bug tracker of the bug tracker..

### #2 - 2018-08-01 23:08 - Steffen Gebert

- Project changed from *forge.typo3.org* to *TYPO3 Core*

- Category deleted (*Development*)

- *TYPO3 Version* set to 8

### #3 - 2018-08-10 09:08 - Julian Wundrak

I can reproduce this behavior in TYPO3 9.3.3.

My temporary solution is using keys, like:

```
TYPO3:
  CMS:
    Form:
      prototypes:
        standard:
          formEditor:
            dynamicRequireJsModules:
              additionalViewModelModules:
                0: 'TYPO3\CMS\Dsgvo\Backend\FormEditor\DsgvoViewModel'
                1: 'TYPO3\CMS\Nnscouts\Backend\FormEditor\NnscoutsViewmodel'
```

Notice, that the keys are successive. Else `additionalViewModelModules` is an object instead of an array, and this crashes here:  
Resources/Public/JavaScript/Backend/FormEditor.js:FromEditor::\_viewSetup()

I believe, it is not so easy to not allow 'merging' this configuration, so maybe it would be easier to allow objects in `additionalViewModelModules`.

To use

```
additionalViewModelModules:  
  10: '...'  
  20: '...'
```

i using this patch for the `_viewSetup()`-Method

```
if (!getUtility().isUndefinedOrNull(additionalViewModelModules)) {  
  if ('object' === $.type(additionalViewModelModules)) {  
    additionalViewModelModules = Object.values(additionalViewModelModules);  
  }  
  
  assert('array' === $.type(additionalViewModelModules), 'Invalid parameter "additionalViewModelModules"',  
1475379752);  
}
```

#### #4 - 2018-08-17 22:47 - Riccardo De Contardi

- Category set to Form Framework

#### #5 - 2018-08-31 19:18 - 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/58106>

#### #6 - 2018-10-01 11:07 - 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/58106>

#### #7 - 2018-10-28 15:41 - Gerrit Code Review

Patch set 1 for branch `TYPO3_8-7` of project `Packages/TYPO3.CMS` has been pushed to the review server.

It is available at <https://review.typo3.org/58768>

#### #8 - 2018-10-28 16:00 - Ralf Zimmermann

- Status changed from Under Review to Resolved

- % Done changed from 0 to 100

Applied in changeset [6939d0dae3c0f5c2209dbbd6ad82e02fbab0ebfa](https://review.typo3.org/58768).

#### #9 - 2019-05-07 12:17 - Benni Mack

- Status changed from Resolved to Closed