

## TYPO3 Core - Bug #94469

### Dependency Injection fails in UserFunc breaking copy in the BE

2021-07-02 09:47 - Henrik Elsner

<b>Status:</b>	Needs Feedback	<b>Start date:</b>	2021-07-02
<b>Priority:</b>	Should have	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>	Backend API	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Complexity:</b>	
<b>TYPO3 Version:</b>	10	<b>Is Regression:</b>	
<b>PHP Version:</b>		<b>Sprint Focus:</b>	
<b>Tags:</b>			

#### Description

We got a DoktypeFilter in the BE which is used for TCA type group to filter the selection of pages.

The class has a construct with another class with methods to handle the filter.

The dependency injection fails as it seems when copying e.g. content in the BE.

This means the UserFunc filter affects the copy process, while it does fully work at its task to filter.

The Exception (attached) is only thrown via ListModule.

In the PageModule the copy fails silent // the exception is thrown in the XHR but not displayed

Too few arguments to function Toujou\FormEngine\Backend\UserFunc\DoktypeFilter::\_\_construct(), 0 passed in /var/www/html/private/typo3/sysext/core/Classes/Utility/GeneralUtility.php on line 3474 and exactly 1 expected

in /var/www/html/private/typo3conf/ext/toujou\_form\_engine/Classes/Backend/UserFunc/DoktypeFilter.php line 15

```
11 {
12     /** @var FormEngineBackendUtility */
13     protected $formEngineBackendUtility;
14
15     public function __construct(FormEngineBackendUtility $formEngineBackendUtility)
16     {
17         // This is not done with DI as it breaks within the DataHandler
18         // $this->formEngineBackendUtility = GeneralUtility::makeInstance(FormEngineBackendUtility::class);
19         $this->formEngineBackendUtility = $formEngineBackendUtility;
```

at Toujou\FormEngine\Backend\UserFunc\DoktypeFilter->\_\_construct()

in /var/www/html/private/typo3/sysext/core/Classes/Utility/GeneralUtility.php line 3474

```
3470         return self::$container->get($className);
3471     }
3472
3473     // Create new instance and call constructor with parameters
3474     $instance = new $finalClassName(...$constructorArguments);
3475     // Register new singleton instance, but only if it is not a known PSR-11 container service
3476     if ($instance instanceof SingletonInterface && !(self::$container !== null && self::$container->has($finalClassName))) {
3477         self::$singletons[$finalClassName] = $instance;
3478     }
```

at TYPO3\CMS\Core\Utility\GeneralUtility::makeInstance('Toujou\FormEngine\Backend\UserFunc\DoktypeFilter')

in /var/www/html/private/typo3/sysext/core/Classes/Utility/GeneralUtility.php line 3371

```
3367         // It's a class/method
3368         // Check if class/method exists:
3369         if (class_exists($parts[0])) {
3370             // Create object
3371             $classObj = self::makeInstance($parts[0]);
3372             $methodName = (string)$parts[1];
3373             $callable = [$classObj, $methodName];
3374             if (is_callable($callable)) {
3375                 // Call method:
```

at TYPO3\CMS\Core\Utility\GeneralUtility::callUserFunction('Toujou\FormEngine\Backend\UserFunc\DoktypeFilter->doFilter', array('doktypes' => array('137'), 'values' => array(), 'tcaFieldConfig' => array('type' => 'group', 'internal\_type' => 'db', 'allowed' => 'pages', 'size' => '5', 'maxitems' => '9999', 'minitems' => '1', 'suggestOptions' => array('default' => array('searchWholePhrase' => '1', 'pidList' => '131', 'pidDepth' => '2', 'addWhere' => 'AND pages.doktype = 137')), 'pages' => array('searchCondition' => 'doktype = 137')), 'filter' => array(array('userFunc' => 'Toujou\FormEngine\Backend\UserFunc\DoktypeFilter->doFilter', 'parameters' => array('doktypes' => array('137'))))), object(TYPO3\CMS\Core\DataHandling\DataHandler))

in /var/www/html/private/typo3/sysext/core/Classes/DataHandling/DataHandler.php line 2207

```
2203     }
2204     $parameters = $filter['parameters'] ?: [];
2205     $parameters['values'] = $values;
2206     $parameters['tcaFieldConfig'] = $tcaFieldConfiguration;
2207     $values = GeneralUtility::callUserFunction($filter['userFunc'], $parameters, $this);
2208     if (!is_array($values)) {
2209         throw new \RuntimeException('Failed calling filter userFunc.', 1336051942);
2210     }
2211 }
```

## History

#1 - 2021-07-02 11:42 - Henrik Elsner

UPDATE:

Either i got a config issue on my side or the same behavior can be watched when using the button bar hook to add buttons:

```
$GLOBALS['TYPO3_CONF_VARS']['SC_OPTIONS']['Backend/Template/Components/ButtonBar']['getButtonsHook']
```

I added a class via this registration which calls the same stack resulting in the same error.

## #2 - 2021-07-13 20:14 - Oliver Bartsch

- Status changed from New to Needs Feedback

Hi, this basically means autowiring does not work as those are instantiated with `GeneralUtility::makeInstance()`. Therefore, you have to declare those services public in your `Services(.yaml|.php)` configuration.

See <https://docs.typo3.org/m/typo3/reference-coreapi/master/en-us/ApiOverview/DependencyInjection/Index.html#knowing-what-to-make-public> for more information.

Could you please check if this solves the issue for you?

### Files

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