

## Core - Bug # 55264

Epic # 55575 (Accepted): Streamline JavaScript Code in the TYPO3 Backend

<b>Status:</b>	Under Review	<b>Priority:</b>	Should have
<b>Author:</b>	Jan Kiesewetter	<b>Category:</b>	TypoScript
<b>Created:</b>	2014-01-23	<b>Assigned To:</b>	Daniel Siepmann
<b>Updated:</b>	2015-06-18	<b>Due date:</b>	
<b>TYPO3 Version:</b>	6.2		
<b>PHP Version:</b>			
<b>Complexity:</b>			
<b>Is Regression:</b>	No		
<b>Sprint Focus:</b>			
<b>Subject:</b>	requireJS for frontend in PageRenderer and TypoScript		
<b>Description</b>	<p>The class \TYPO3\CMS\Core\Page\PageRenderer, per definition "This class render the HTML of a webpage, usable for BE and FE" has two functions regarding requireJS.</p> <p>loadRequireJs loadRequireJsModule</p> <p>Both are designed just for backend modules. All paths are set relative from PATH_typo3.</p> <p>Also it is not possible to include requireJS with TypoScript and add modules.</p> <p>With distributions in mind, it should be possible to include requireJS with TypoScript, define main module/config and extend with packages(extensions) by PHP.</p>		
<b>Related issues:</b>	related to Core - Task # 48383: RequireJS does not consider correct namespace... <b>Accepted</b> 2013-05-19		

### History

#### #1 - 2014-02-02 11:18 - Daniel Siepmann

- Parent task set to #55575

#### #2 - 2014-02-02 11:20 - Daniel Siepmann

Should also be possible and used for sysext. One API for all.

Each extension should register her modules. (Already done in *PageRenderer->loadRequireJs()* for whole *Resources/Public/JavaScript*-Folder of each extension).

#### #3 - 2014-03-10 11:44 - Daniel Siepmann

- Assigned To set to Daniel Siepmann

#### #4 - 2014-03-10 11:46 - Daniel Siepmann

We have to document that the official supported file structure for extensions is `'EXT:' . $packageName . '/Resources/Public/JavaScript/'`

With upper J and S!

#### #5 - 2014-03-10 14:57 - 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/28221>

#### #6 - 2014-03-14 09:30 - Daniel Siepmann

As documented in <http://docs.typo3.org/typo3cms/TyposcriptReference/Setup/Page/Index.html> you can add requireJS the same way:

An example setup can be:

```
javascriptLibs {
    requireJs = 1
    requireJs {
        paths {
            jquery = {$page.includePath.javascript}Libs/jquery-1.10.2.min
            theme = {$page.includePath.javascript}Libs/bootstrap.min
        }
        data-main = {$page.includePath.javascript}main
        shim {
            theme.deps {
                0 = jquery
            }
        }
    }
}
```

Define your own location for jquery, add twitter bootstrap and define the main js file as entry point.

Wrap the content of your main as documented on <http://requirejs.org>

```
require(['jquery', 'theme'], function($) {
    // youre code
});
```

No more need to include all of your libs and js files. Just add a "bootstrap" js file that decides which files to load. Each file uses the requirements through requirejs.

It's possible to pass everything to requireJs just by adding it to TypoScript.

Just "paths" and "data-main" will be parsed.

#### #7 - 2014-03-17 13:59 - 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/28221>

**#8 - 2014-05-03 13:16 - Thomas Hucke**

I'd like to have this also backported to 6.1.

**#9 - 2015-06-18 14:13 - Alexander Opitz**

- *Category set to TypoScript*
- *Target version set to 7.5*

Set target version to 7.5 as it was mentioned in the review.  
There is also <http://review.typo3.org/36857> on the same aspect.