

## TYPO3 Core - Bug #57825

### Configuration option for defining loading order of extensions

2014-04-11 12:45 - Hendrik Becker

|                        |                                |                        |            |
|------------------------|--------------------------------|------------------------|------------|
| <b>Status:</b>         | Closed                         | <b>Start date:</b>     | 2014-04-11 |
| <b>Priority:</b>       | Should have                    | <b>Due date:</b>       |            |
| <b>Assignee:</b>       |                                | <b>% Done:</b>         | 100%       |
| <b>Category:</b>       | System/Bootstrap/Configuration | <b>Estimated time:</b> | 0.00 hour  |
| <b>Target version:</b> |                                | <b>Complexity:</b>     |            |
| <b>TYPO3 Version:</b>  | 6.2                            | <b>Is Regression:</b>  | No         |
| <b>PHP Version:</b>    |                                | <b>Sprint Focus:</b>   |            |
| <b>Tags:</b>           |                                |                        |            |

#### Description

It would be nice to have an additional configuration option in ext\_emconf.php which allows to define the loading order of extensions, without defining a dependence.

Currently it is only possible to influence the loading order by defining dependencies:

```
'constraints' => array(
    'depends' => array(
        'typo3' => '6.2.0-6.2.999',
        'php' => '5.2.0-5.4.999',
        'realurl' => '1.12.0-1.12.999',
    ),
),
```

This is not suitable for my situation, because my extension does not require realurl. But in case realurl is installed, my extension must be loaded after realurl to hook into realurl correctly. My extension also works together with other extensions (cooluri, dbal, ..) but it also works without all of those.

It would be nice, if I could define which extensions (if already installed) should be loaded before and which should be loaded after my extension.

Thank you for your attention.

#### Related issues:

|  |               |                   |
|--|---------------|-------------------|
| Related to TYPO3 Core - Bug #58694: rtehtmlarea user settings are not shown i... | <b>Closed</b> | <b>2014-05-11</b> |
| Related to TYPO3 Core - Task #58701: Package metadata should include "suggest... | <b>Closed</b> | <b>2014-05-11</b> |
| Related to TYPO3 Core - Bug #51069: Updating extension changes load order        | <b>Closed</b> | <b>2013-08-14</b> |
| Related to TYPO3 Core - Bug #67200: TCA Overrides has wrong extension order      | <b>Closed</b> | <b>2015-05-29</b> |

#### Associated revisions

##### Revision d8b4aae0 - 2014-06-10 11:57 - Markus Klein

[TASK] Observe ext suggestions for ext loading order

Let the DependencyResolver take the suggest-part of the composer.json or ext\_emconf.php files into account. This solves issues where it is necessary to ensure a certain loading order of extensions without having a real dependency between those.

Resolves: #57825

Releases: 6.2

Change-Id: Ia771813b7945409e5ddaec3f19da27239be16e67

Reviewed-on: <https://review.typo3.org/30005>

Reviewed-by: Loek Hilgersom

Tested-by: Loek Hilgersom

Reviewed-by: Thomas Maroschik

Reviewed-by: Fabien Udriot

Tested-by: Fabien Udriot

Reviewed-by: Stefan Neufeind

Reviewed-by: Xavier Perseguers

## History

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### #1 - 2014-04-11 15:50 - Markus Klein

- Status changed from New to Accepted

We're thinking about a solution

### #2 - 2014-04-11 15:58 - Markus Klein

Possible solution would be to use the "suggests" array in the emconf to announce such optional "dependencies".  
In your case you would add realurl to the suggests constraints.

In case a suggested extension is depending on the suggesting one, the dependencies take precedence for the loading order.

### #3 - 2014-04-12 10:24 - Christian Kuhn

+1 for Markus idea.

### #4 - 2014-04-12 11:07 - Markus Klein

Well it was tmaroschik's idea while we discussed this. I just posted it. ;-)

### #5 - 2014-05-10 14:27 - Markus Klein

Ok this is more and more a real problem. rtehtmlarea needs to be loaded after setup extension in order to add the rte settings to the user settings.  
This is not a dependency and not really a suggestion. We could misuse "suggests" for this, but it does not really seem right to me. :-)

### #6 - 2014-05-10 21:14 - Markus Klein

I'm working on a first draft.

### #7 - 2014-05-11 01:54 - 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/30005>

### #8 - 2014-05-11 01:54 - Gerrit Code 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/30006>

### #9 - 2014-05-11 01:57 - Markus Klein

Can be tested with [#58694](#).

### #10 - 2014-05-11 02:04 - 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/30005>

### #11 - 2014-05-11 02:04 - 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/30006>

### #12 - 2014-05-11 23:32 - Gerrit Code Review

Patch set 3 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.  
It is available at <https://review.typo3.org/30005>

### #13 - 2014-05-12 00:38 - Gerrit Code Review

Patch set 4 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.  
It is available at <https://review.typo3.org/30005>

### #14 - 2014-05-12 00:44 - Gerrit Code Review

Patch set 5 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.  
It is available at <https://review.typo3.org/30005>

**#15 - 2014-05-13 15:10 - Stanislas Rolland**

Is it not strange to use the "suggest" option for this? Don't we need new options like "before" and/or "after"?

**#16 - 2014-05-13 15:49 - Stanislas Rolland**

If you uninstal both setup and rtehtmlarea, and then install rtehtmlarea, without first installing setup, the extension manager does not even care about suggesting to install setup first...

**#17 - 2014-05-13 15:52 - Markus Klein**

suggest does not mean that EM should "force" you to install an extension.  
I understand it more as a listing of what the author thinks is a good addition to his extension.

**#18 - 2014-05-13 16:14 - Stanislas Rolland**

Markus Klein wrote:

suggest does not mean that EM should "force" you to install an extension.  
I understand it more as a listing of what the author thinks is a good addition to his extension.

My understanding is that the extension manager should "suggest" to install it, and I think it used to do so.

**#19 - 2014-05-13 16:17 - Markus Klein**

Ok, but with a checkbox in front to have it optional.

Still the question remains, can we introduce a before/after condition.

**#20 - 2014-05-13 16:56 - Stanislas Rolland**

In fact, the extension being installed could be a pre-requisite to some of its "suggested" extensions.

**#21 - 2014-05-13 17:47 - Markus Klein**

Stanislas: Have a look at the unit tests please.

This is the reason why dependencies take precedence over suggestions.  
So if a "suggested" extension depends on the ext being installed (directly or indirectly), the suggestion is not taken into account for loading order calculation.

**#22 - 2014-05-14 11:13 - Fabien Udriot**

Can we say in this regard that "suggest" would be a soft dependency? In case the suggested extension is installed, the "suggest" becomes a "require" for the Package Manager which will compute the correct order of extensions accordingly. This is how I understand it...

**#23 - 2014-05-14 11:41 - Markus Klein**

Yes that's how this should be.

**#24 - 2014-06-10 12:30 - Markus Klein**

- Status changed from Under Review to Resolved  
- % Done changed from 0 to 100

Applied in changeset [d8b4aae080242573039ad6034c3ac5d8f01e1239](#).

**#25 - 2018-10-02 11:58 - Benni Mack**

- Status changed from Resolved to Closed