

Smooth Migration TYPO3 4.5 > 6.2 LTS

Jürgen Godon

Phantasialand Brühl, 05.06.2015



facts

- customers loves LTS versions
- most TYPO3 projects are 4.5 LTS

facts

- 4 years since release 4.5
- 40 releases since

facts

- 5 Major Releases:

4.5 → 4.6 → 4.7 → 6.0 → 6.1 → 6.2

each with a lot of new features!



thank you to Patrick Lobacher
(he documented all changes)

www.lobacher.de










NEU TYPO3 CMS 7.2 – DIE NEUERUNGEN (STAND 28.04.2015)

Am 28.04.2015 ist die neue Version TYPO3 CMS 7.2 LTS veröffentlicht worden. Wie bereits seit 5 Neuerungen detailliert recherchiert und zusammengefasst. Diesmal auf über 67 Slides – viel Spaß

Alte Versionen: [7.1](#) | [7.0](#) | [6.2](#) | [6.1](#) | [6.0](#) | [4.7](#) | [4.6](#) | [4.5 LTS](#) | [4.4](#) | [4.3](#)

550+ sites of changes

<http://typo3.org/download/release-notes/whats-new/>

TYPO3 CMS 7.2	TYPO3 CMS 7.1	TYPO3 CMS 7.0	TYPO3 CMS 6.2 LTS	TYPO3 CMS 6.1	TYPO3 CMS 6.0
 Dutch	PDF document, 167 pages, 1.9M bytes			Download	
 English	PDF document, 176 pages, 1.9M bytes			Download	
 French	PDF document, 179 pages, 1.9M bytes			Download	
 German	PDF document, 176 pages, 1.9M bytes			Download	
 Italian	PDF document, 176 pages, 1.9M bytes			Download	
 Polish	PDF document, 176 pages, 2.0M bytes			Download	
 Russian	PDF document, 177 pages, 2.1M bytes			Download	
 Serbian	PDF document, 176 pages, 1.9M bytes			Download	
 Spanish	PDF document, 185 pages, 1.9M bytes			Download	

Preparing the upgrade

IMPORTANT!

- Never do an update directly on the live page
- Always make upgrade on a copy
- Exists a backup? Really?

Your choice:

- Clean the installation, then create copy
 - faster, but changes on live side
- Create copy, then clean up
 - safer, but more slowly

Make the copy

- Copy the complete file structure of the project

~/dev/muster-4.5				~/dev/muster-t3dd14			
Name	Größe	Modifikationen		Name	Größe	Modifikationen	
/..	ÜBERVZ.	17. Jun 10:53		/..	ÜBERVZ.	17. Jun 10:53	
/fileadmin	238	17. Jun 10:51		/fileadmin	238	17. Jun 10:51	
~t3lib	15	25. Apr 2012		~t3lib	15	17. Jun 10:53	
~typo3	15	25. Apr 2012		~typo3	15	17. Jun 10:53	
~typo3_src	19	17. Jun 09:58		~typo3_src	19	17. Jun 10:53	
/typo3conf	408	17. Jun 10:51		/typo3conf	408	17. Jun 10:51	
/typo3temp	544	17. Jun 10:51		/typo3temp	544	17. Jun 10:51	
/uploads	714	17. Jun 10:51		/uploads	714	17. Jun 10:51	
.htaccess	1296	29. Jan 2011		.htaccess	1296	29. Jan 2011	
clear.gif	46	09. Jul 2006		clear.gif	46	09. Jul 2006	
index.php	2948	30. Jul 2013		index.php	2948	30. Jul 2013	
robots.txt	0	13. Dez 2007		robots.txt	0	13. Dez 2007	

Copy the database

- Create a new empty database
 - Collation: utf8_general_ci
- make a dump of database:

```
mysqldump --opt -u user1  
-ppassword1 olddbatabase | mysql  
-u user2 -ppassword2 newdatabase
```

finish the copy

- Create an new (sub)domain (VHost) and customize domain record
- localconf.php (or via Install Tool): customize the database parameter
- TypoScript: change the baseURL

Clean the installation

- Local, delete not installed Extensions

Frontend							
	Accessible content	<i>sb_accessiblecontent</i>	0.3.2			Local	Beta
	Accessible Menus	<i>cron_accessiblemenus</i>	0.7.0			Local	Stable
	Captcha Library	<i>captcha</i>	1.1.1			Local	Beta
	CSS/Javascript Minificator, Compressor A...	<i>scriptmerger</i>	3.1.0			Local	Stable
	CSS styled content	<i>css_styled_content</i>	1.0.0			System	Stable
	Fluid Templating Engine	<i>fluid</i>	1.3.1			System	Beta
	Frontend Editing	<i>feedit</i>	0.1.0			System	Beta
	RealURL: speaking paths for TYPO3	<i>realurl</i>	1.12.3			Local	Stable
	Simulate Static URLs	<i>simulatestatic</i>	1.0.0			System	Stable
Frontend Plugins							
	Frontend Login for Website Users	<i>felogin</i>	1.3.1			System	Stable
	Indexed Search Engine	<i>indexed_search</i>	2.12.0			System	Stable
	Language Selection	<i>sr_language_menu</i>	1.5.2			Local	Stable
	Modern Guestbook / Commenting system	<i>ve_guestbook</i>	2.12.0			Local	Stable
	News	<i>tt_news</i>	3.2.1			Local	Beta
	powermail	<i>powermail</i>	1.6.11			Local	Stable
	Printlink	<i>cron_printlink</i>	1.0.0			Local	Stable

Backup/Delete ▾

Extension Manager

Extension:  **CSS/Javascript Minificator, Compressor A...** (scriptmerger)

Backup

Make selection:

Extension files: Download extension 'scriptmerger' as a file.
(T3X_scriptmerger-3_1_0-z-201406171154.t3x,
67 K,
MD5: bda5c16de47b993627b5ecf6ea9a3831)

Delete

DELETE EXTENSION FROM SERVER (in the 'Local' location 'typo3conf/ext/scriptmerger/!')

(Maybe you should make a backup first, see above.)

Backup/Delete

Extension Manager

Extension:  **TIMTAB Weblog** (timtab)

Backup

































Make selection:

Extension files: Download extension 'timtab' as a file.
(T3X_timtab-0_5_11-z-201406171202.t3x,
163 K,
MD5: 96a3d4069b8e0d7d8a0c10d5f3dfeff1)

Data tables: Download all data from:

<u>tx_vequestbook_entries</u>	2 records
<u>tx_timtab_blogroll</u>	0 records

Deinstall the installed, unused Extensions












Frontend Plugins								
		Frontend Login for Website Users	<i>felogin</i>	1.3.1			System	Stable
		Indexed Search Engine	<i>indexed_search</i>	2.12.0			System	Stable
		Language Selection	<i>sr_language_menu</i>	1.5.2			Local	Stable
		Modern Guestbook / Commenting system	<i>ve_guestbook</i>	2.12.0			Local	Stable
		News	<i>tt_news</i>	3.2.1			Local	Beta
		Printlink	<i>cron_printlink</i>	1.0.0			Local	Stable
		Template Auto-parser	<i>automaketemplate</i>	0.1.3			Local	Stable
		TIMTAB Weblog	<i>timtab</i>	0.5.11			Local	Beta

Tipp: Extension „Additional Reports“

Ext: additional_reports

Report: Overview

Overview


-  **Additional reports - ExtDirect**
List of all the ExtDirect with informations and status for each of them.
-  **Additional reports - XCLASS**
List of all the XCLASS with the name and the path for each of them.
-  **Additional reports - ajax**
List of all the ajax.php methods with informations and status for each of them.
-  **Additional reports - check the database**
Check the database integrity.
-  **Additional reports - cliKeys**
List of all the cliKeys with informations and status for each of them.
-  **Additional reports - eID**
List of all the eID with informations and status for each of them.
-  **Additional reports - general status**
List of all the usefull informations about your installation.
-  **Additional reports - hooks**
List of all the hooks with the name and the path for each of them.
-  **Additional reports - loaded extension list**
List of all the extension with informations for each of them.
-  **Additional reports - log errors**
List of all the errors in the log.
-  **Additional reports - plugins & content type**
List of all the plugins and contents type with informations and status for each of them. With this report you can easily know

Additional reports - plugins & content type





































Careful

A plugin/ctype can be also called in typoscript, typoscript file, php file...












- ☒ List of used plugins
 ☐ List of used plugins (and hidden)
 ☐ List of used content types
 ☐ List of used content types (and hidden)
 ☐ Summary

All 

List of used plugins

Extension	Plugin	Domain	Page uid	Content uid	Page title
 tt_news	News (9)	 muster.dev	 5	 14	Home
 tt_news	News (9)	 muster.dev	 12	 12	News Detailanzeige
 tt_news	News (9)	 muster.dev	 12	 136	News Detailanzeige
 tt_news	News (9)	 muster.dev	 13	 13	News Archiv
 tt_news	News (9)	 muster.dev	 14	 120	Aktuelles
 tt_news	News (9)	 muster.dev	 14	 15	Aktuelles
 tt_news	News (9)	 muster.dev	 19	 22	Blog
 tt_news	News (9)	 muster.dev	 20	 23	Blog Detailanzeige
 indexed_search	Indexed search (indexed_search)	 muster.dev	 10	 10	Suchergebnisse

Obsolete Extensions

		Help>TYPO3 Manual	<i>cshmanual</i>	1.0.0			System
		ICS AWStats	<i>ics_awstats</i>	0.5.4			Local
		Linkvalidator	<i>linkvalidator</i>	1.0.20			System

- Runs perhaps in 6.2, but the log files are no longer created

Clean your Installation

- Database Analyzer in the Install Tool
 - Update Required Tables
 - Remove unused tables

Remove unused Tables

The screenshot shows a web-based database management tool interface. A red arrow points from the 'Update required tables' button to the 'COMPARE' button. A black arrow points from the 'COMPARE' button to the 'Remove unused fields (rename with prefix)' button. A yellow warning box is also visible.

Update required tables [COMPARE](#) [IMPORT](#)

Dump static data

typo3conf/musterprojekt.sql (16.2 M)

[COMPARE](#) [IMPORT](#) [VIEW](#)

[Compare with \\$TCA](#)

[Create "admin" user](#)

[Reset user preferences](#)

[Clear tables](#)

Update database tables and fields:

Table and field definitions should be updated

There seems to be a number of differences between the database and the selected SQL-file.

Please select which statements you want to execute in order to update your database:

Remove unused fields (rename with prefix)

☐ select/deselect all

☒ **(EXT)** ALTER TABLE tt_content CHANGE tx_powermail_title zzz_deleted_tx_powermail_title tinytext NOT NULL;

reduce the database

- Truncate tables:
 - cache_ ...
 - cachingframework_ ...
 - cf_ ...
 - sys_log, sys_stat, ...
 - tx_realurl_errorlog, ...

[Reset user preferences](#)

[Clear tables](#)

Clear out selected tables

Pressing this button will delete all records from the selected tables.

<input type="checkbox"/>	cache_pages	(5 rows)	Pages
<input type="checkbox"/>	cache_pagesection	(5 rows)	TS template related information
<input type="checkbox"/>	cache_hash	(115 rows)	Multipurpose md5-hash cache
<input type="checkbox"/>	cache_imagesizes	(9 rows)	Cached image sizes
<input type="checkbox"/>	sys_log	(6 rows)	Backend action logging
<input type="checkbox"/>	sys_history	(1 rows)	Addendum to the sys_log which tracks ALL changes to content through TCE. May become huge by time. Is used for rollback (undo) and the WorkFlow engine.
<input type="checkbox"/>	be_sessions	(1 rows)	Backend User sessions
<input type="checkbox"/>	fe_sessions	(0 rows)	Frontend User sessions
<input type="checkbox"/>	fe_session_data	(0 rows)	Frontend User sessions data
<input type="checkbox"/>	index_words	(1799 rows)	
<input type="checkbox"/>	index_rel	(3664 rows)	
<input type="checkbox"/>	index_phash	(108 rows)	
<input type="checkbox"/>	index_glist	(107 rows)	
<input type="checkbox"/>	index_section	(108 rows)	
<input type="checkbox"/>	index_fulltext	(108 rows)	

Write to database 







Update the extensions in 4.5

Check for extension updates ↕

Extension Manager

Display shy extensions ☒

There are new versions of the following extensions in the TER

Extension	Ext-Key	Local	Remote	Location	Upload-Comment
 Template Auto-parser	automaketemplate	0.1.3	0.2.0	0.2.0	Compatibility with TYPO3 CMS 6.2, removed ereg_replace support
 Captcha Library	captcha	1.1.1	1.2.1	1.2.0	[BUGFIX] Didnt work properly with 6.0 and 6.1 (reported by Reindl Bernd and Cornelius Illi)
				1.2.1	[BUGFIX] Didnt work properly with 6.0 and 6.1 (reported by Reindl Bernd and Cornelius Illi)
 RealURL: speaking paths for TYPO3 realurl		1.12.3	1.12.8	1.12.7	Security fix. Please upgrade!
				1.12.8	TYPO3 6.2. compatibility update
 Language Selection	sr_language_menu	1.5.2	6.0.5	6.0.0	Major rewrite Requires TYPO3 6.0.6. Run the update script.
				6.0.1	Minor bug fix.
				6.0.2	Removes fix to Extbase now included in TYPO3.Requires TYPO3 6.0.7 (or 6.1.2).
				6.0.3	Enable in TYPO3 6.2.
				6.0.4	Bug fixes.Requires TYPO3 6.0.13, 6.1.8 or 6.2.0.
				6.0.5	Bug fixes.
 Static Info Tables	static_info_tables	2.3.2	6.1.0	6.0.0	Major update.Extbase domain model&repository.Language pack creation module.Requires TYPO3 6.0.6.
				6.0.1	Two glitches fixed.
				6.0.2	Fix state on TER.No change to the extension.
				6.0.3	One bug fix.
				6.0.4	Minor changes.Fix for PHP 5.4.
				6.0.5	Minor bug fixes.Improves backward compatibility.Adds Montenegrin language.
				6.0.6	Bug fixes. Updated currency data.
				6.0.7	Enable in TYPO3 6.2.
				6.0.8	Bug fixes Requires TYPO3 6.0.6.
				6.0.9	Bug fixes.
				6.0.10	Bug fixes.
				6.1.0	Bug fixes.New select view helper.
 News	tt_news	3.2.1	3.6.0	3.5.2	Security Fix, PLEASE UPDATE.For details read advisory: typo3-ext-sa-2014-003
				3.6.0	tt_news for TYPO3 4.5 - 6.2 (compatibility update)

Extension versions (4.5)

Frontend Plugins				
		email2powermail	email2powermail	0.2.2 06-06-14
		form4 pgp for powermail 2.0	form4_powermail_pgp	2.0.0 10-12-13
		powermail ←	powermail	2.0.15 26-05-14
		Powermail Conditions	powermail_cond	2.0.3 15-05-14
		Powermail Conditions for jQuery	powermail_cond_jquery	1.0.1 06-05-10

Extension Manager

1.6.11 ← demand

2.0.14

✓ 2.0.15

Load details or

Import/Update to: Local: /Users/jochen/dev/muster-4.5/typo3

Remote Extension Details

powermail (powermail, 2.0.15)

Warnings during Upgrade

Extension Manager

Extension import results



Dependency Error


The running TYPO3 version (4.5.34) is lower than required (6.0.0).

☐ Ignore this version requirement

Try again

Warnings PHP version

Extension Manager
Extension import results

 **Dependency Error**


The running PHP version (5.2.17) is lower than required (5.3.2).

☐ Ignore this version requirement


Extensions with an update script


UPDATE!

Extension Manager

Extension:  **News** (tt_news)

Update:

[reload this page] 


 **Important! Please Read!**

The updater manipulates your database and due to the huge amount of configuration variants it is possible that it might not produce the expected results.
So backup your database (at least the tables sys_template and tt_content) or do a t3d export of your site **BEFORE** you click on any of the "DO_IT" Buttons.

Actions:

Search for outdated static TS templates


Search for TypoScript templates which include one of the tt_news static templates (e.g. "CSS based tmpl") but with an outdated path:

Found 0 template records. 

Nothing to do

Search for non existing HTML templates

Search for tt_news content elements with a configured HTML template in flexforms which doesn't exist in your filesystem:

Found 0 content elements. 

Nothing to do

Deprecation Log

[SYS][enableDeprecationLog]

If set, this configuration enables the logging of deprecated methods and functions. The following options are allowed:

String: "file" (or integer "1")

The log file will be written to typo3conf/deprecation_[hash-value].log

String: "devlog"

The log will be written to the development log

String: "console"

The log will be displayed in the Backend's Debug Console.

Logging options "file", "devlog" and "console" can be combined by comma-separating them.

TYP03\CMS\Core\Utility\GeneralUtility::loadTCA() - since 6.1, will be removed two versions later - require(src-0
TYP03\CMS\Core\Utility\ExtensionManagementUtility::getRequiredExtensionListArray() - since 6,2, will be removed
TYP03\CMS\Core\Utility\GeneralUtility::loadTCA() - since 6.1, will be removed two versions later - require_once
TYP03\CMS\Core\Utility\ExtensionManagementUtility::getRequiredExtensionListArray() - since 6,2, will be removed
TYP03\CMS\Core\Utility\GeneralUtility::loadTCA() - since 6.1, will be removed two versions later - require(src-0
TYP03\CMS\Core\Utility\ExtensionManagementUtility::getRequiredExtensionListArray() - since 6,2, will be removed
TYP03\CMS\Core\Utility\GeneralUtility::loadTCA() - since 6.1, will be removed two versions later - require(src-0
TYP03\CMS\Core\Utility\GeneralUtility::loadTCA() - since 6.1, will be removed two versions later - require(src-0

Namespacing

typo3/sysext/core/Migrations/Code

```
't3lib_cache' => 'TYP03\\CMS\\Core\\Cache\\Cache',  
't3lib_cache_Factory' => 'TYP03\\CMS\\Core\\Cache\\CacheFactory',  
't3lib_cache_Manager' => 'TYP03\\CMS\\Core\\Cache\\CacheManager',  
't3lib_cache_Exception' => 'TYP03\\CMS\\Core\\Cache\\Exception',
```

für IDE:

```
/**  
 * @deprecated since 6.0 will be removed in 7.0  
 */  
class TYP03_tcefile extends \TYP03\CMS\Backend\Controller\File\FileController {}
```

Checking PHP version

- TYPO3 4.5, 4.6 needs PHP 5.2-5.5
- TYPO3 4.7 and higher needs PHP 5.3-5.5

Activate display_errors

[displayErrors]

Integer (-1, 0, 1, 2). Configures whether PHP errors should be displayed.

0

Do not display any PHP error messages. Overrides the value of "exceptionalErrors" and sets it to 0 (= no errors are turned into exceptions), the configured "productionExceptionHandler" is used as exception handler

1

Display error messages with the registered errorhandler. The configured "debugExceptionHandler" is used as exception handler

2

Display errors only if client matches [SYS][devIPmask]. If devIPmask matches the users IP address the configured "debugExceptionHandler" is used for exceptions, if not "productionExceptionHandler" will be used

-1

Default setting. With this option, you can override the PHP setting "display_errors". If devIPmask matches the users IP address the configured "debugExceptionHandler" is used for exceptions, if not "productionExceptionHandler" will be used.

[SYS][displayErrors] = 1

Check ExplicitAllow/Deny

[explicitADmode]

Sets the general allow/deny mode for selector box values. Value can be either "explicitAllow" or "explicitDeny", nothing else!






[BE][explicitADmode] = explicitDeny

explicitDeny

Explicitly allow/deny field values:

☐






Page Content: Type:

- ☐  [Deny] Special
- ☐  [Deny] Header
- ☐  [Deny] Text
- ☐  [Deny] Text & Images
- ☐  [Deny] Images

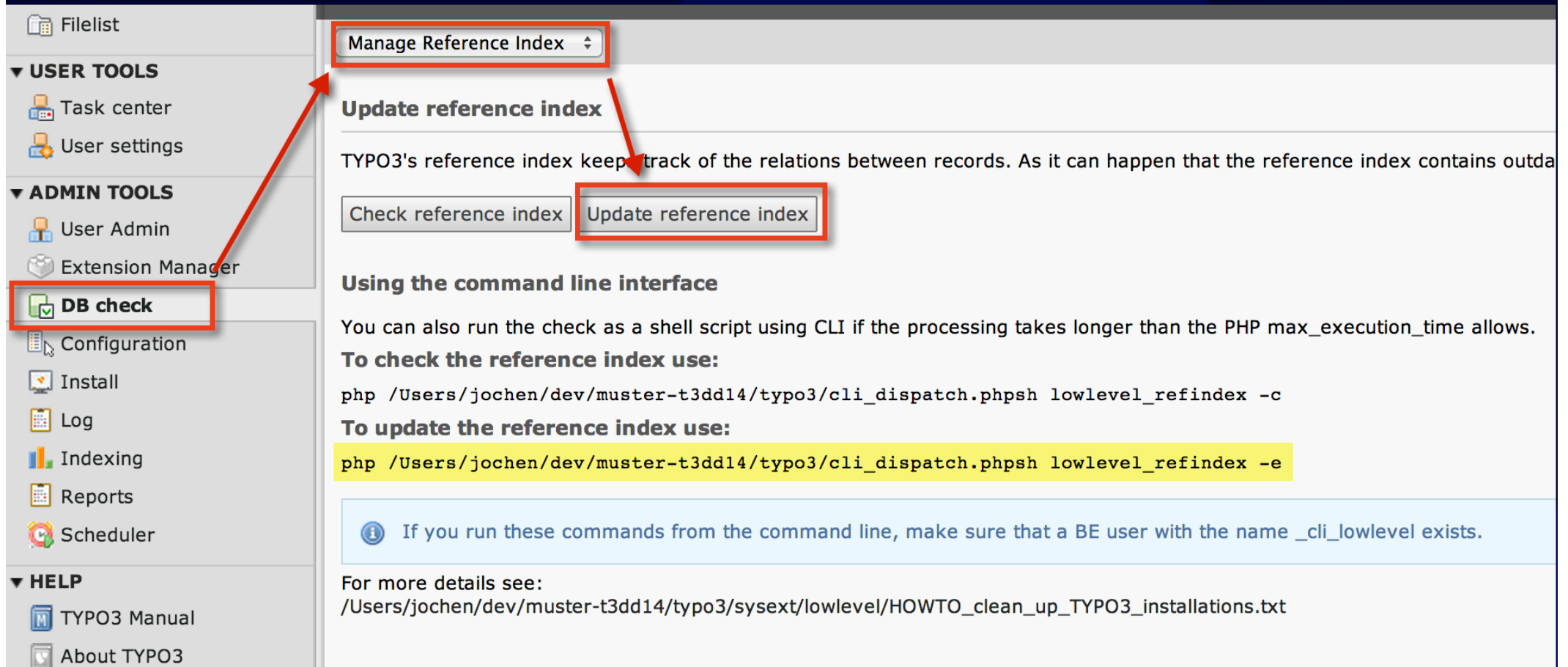
Explicitly allow/deny field values:

☐

Page Content: Type:

- ☐  [Allow] Special
- ☒  [Allow] Header
- ☒  [Allow] Text
- ☒  [Allow] Text & Images
- ☒  [Allow] Images

Update the reference Index



The screenshot shows the TYPO3 backend interface. On the left sidebar, the 'DB check' menu item is highlighted with a red box. A red arrow points from this menu item to the 'Update reference index' button in the main content area. Another red arrow points from the 'Manage Reference Index' dropdown menu to the same button. The main content area displays the 'Update reference index' section, which includes a description of the reference index, two buttons ('Check reference index' and 'Update reference index'), and a section titled 'Using the command line interface' with instructions and code snippets.

Manage Reference Index

Update reference index

TYPO3's reference index keeps track of the relations between records. As it can happen that the reference index contains outdated data, it is recommended to update it regularly.

[Check reference index](#) [Update reference index](#)

Using the command line interface

You can also run the check as a shell script using CLI if the processing takes longer than the PHP max_execution_time allows.

To check the reference index use:

```
php /Users/jochen/dev/muster-t3dd14/typo3/cli_dispatch.phpsh lowlevel_refindex -c
```

To update the reference index use:

```
php /Users/jochen/dev/muster-t3dd14/typo3/cli_dispatch.phpsh lowlevel_refindex -e
```

Info: If you run these commands from the command line, make sure that a BE user with the name `_cli_lowlevel` exists.

For more details see:
[/Users/jochen/dev/muster-t3dd14/typo3/sysext/lowlevel/HOWTO_clean_up TYPO3_installations.txt](#)

Reference index

Manage Reference Index ⇅

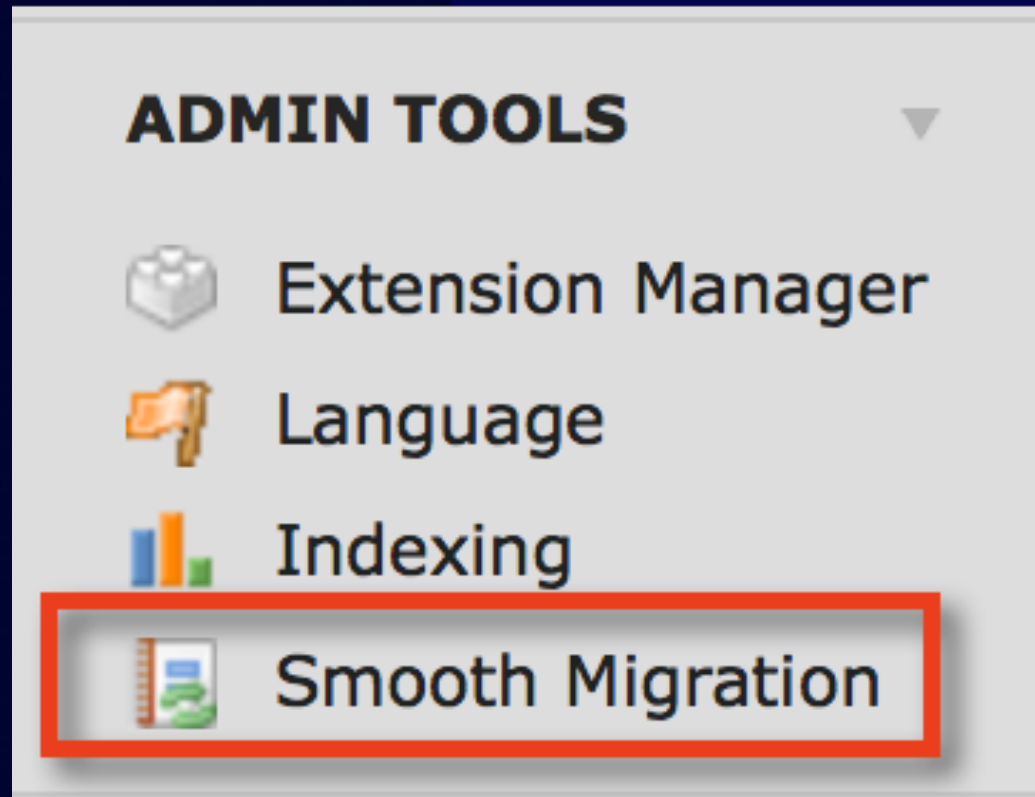
Reference Index being Updated

1488 records from 24 tables were checked/updated.
Record tt_content:24 had 0 added indexes and 2 deleted indexes
Record tt_content:25 had 0 added indexes and 3 deleted indexes
Record tt_news:1 had 0 added indexes and 2 deleted indexes
Record tt_news:2 had 0 added indexes and 1 deleted indexes
Record tt_news:3 had 0 added indexes and 1 deleted indexes
Record tt_news:4 had 0 added indexes and 3 deleted indexes
Record tt_news:5 had 0 added indexes and 1 deleted indexes
Record tt_news:6 had 0 added indexes and 4 deleted indexes
Index table hosted 1 indexes for non-existing tables, now removed


Smooth Migration

- Extensions `extbase` and `fluid` must be installed at first
- Install the extension `smoothmigration`
- Create BE User `_cli_smoothmigration`
- Reload the backend

Smooth Migration




Smooth Migration



Checks ▾


Available Checks

Show report | Run all checks | Clear all issues




Deprecated static methods

Calling deprecated methods will give an error as they have been removed.
[Run check](#) [Clear issues](#)




Deprecated view helpers

Calling deprecated view helpers will give an error as they have been removed.
[Run check](#) [Clear issues](#)



Use of mysql_* functions

Using mysql_* functions instead of the database API will give errors due the the change to MySQLi.
[Run check](#) [Clear issues](#)



Removed constants

Code using the removed constant PATH_t3lib will fail.
[Run check](#) [Clear issues](#)

Overview

Report

Smooth Migration Report

There are currently 44 issues which need to be tackled on upgrade.

Table of contents

Database: root@localhost/muster-t3dd14
cron_printlink
realurl
rlmp_tmplselector
sr_language_menu
static_info_tables
tt_news

Database utf-8

Database: root@localhost/ muster-t3dd14

UTF-8 readiness check

Check if your database and tables are UTF-8.

UTF-8 ensures your database will be able to store multiple languages without any data conversions being done while storing or retrieving the values.



Replace database server setting 'character_set_server' from 'latin1' to 'utf8'.

Migration status: Not processed yet

Database utf-8

[forceCharset]

String: Normally the charset of the backend users language selection is used. If you set this value to a charset found in t3lib/csconvtbl/ (or "utf-8") the backend (and database) will ALWAYS use this charset. Always use a lowercase value. NOTICE: This option is deprecated since TYPO3 4.5, and will be removed in 4.7. Please use proper tools to set your installation to native UTF-8.

[BE][forceCharset] = utf-8

[setDBinit]

String (textarea): Commands to send to database right after connecting, separated by newline. Ignored by the DBAL extension except for the 'native' type!

[SYS][setDBinit] = set names utf8;

phpmyadmin

1	Blog	1	
1	Blog Detailanzeige	1	
1	Blog Beiträge	254	
1	Blog Kommentare	254	
1	Blog Links	254	
1	Blog Kategorien	254	
1	Media	1	
1	Browsercheck	1	
1	Menütest	1	
1	2. Ebene	1	

require_once

cron_printlink

require_once // include_once

Using `require_once`, `include_once`, `include` or `require` on core files will fail since files have been relocated.

While namespacing all the classes have been restructured, relocated and renamed. Including old files therefore will fail. Since TYPO3 CMS 4.3 there is an autoloader which makes manual requiring superfluous: simply use the needed classes.



Remove the `require_once(PATH_tslib."class.tslib_pibase.php")` statement in `typo3conf/ext/cron_printlink/pi1/class.tx_cronprintlink_pi1.php` on line 33.
Migration status: Not processed yet



Remove the `require_once(PATH_tslib."class.tslib_pibase.php")` statement in `typo3conf/ext/cron_printlink/pi2/class.tx_cronprintlink_pi2.php` on line 31.
Migration status: Not processed yet


```
// require_once(PATH_tslib."class.tslib_pibase.php");  
require_once(t3lib_extMgm::extPath('cron_printlink')) .
```

Update the typo3_src symlink









- Change to the new TYPO3 Version:

`typo3_src -> typo3_src-6.2.x`

Call the install tool

 **TYPO3**

TYPO3 CMS 6.2.3 Install tool on site: TYPO3 Version 4.5 Musterprojekt

-  Important actions
-  Configuration Presets
-  All configuration
-  Upgrade Wizard
-  System environment
-  Folder structure **10**
-  Test setup
-  Clean up

Welcome

How to configure TYPO3 CMS

Local configuration is done by overriding default values in the file `typo3conf/LocalConfiguration.php`. The options that you choose in the Install Tool will be saved in this file, such as database information and values in the global array `TYPO3_CONF_VARS`.

If you wish to manually edit the file, the options in the `TYPO3_CONF_VARS` array and how to use them for your own purposes are discussed in the base configuration file, `EXT:core/Configuration/DefaultConfiguration.php`. This file sets up the default values, then includes the `LocalConfiguration.php` file to override the default values.

See this page for more information about system requirements: <http://typo3.org/typo3>

These files or folders have errors and may be fixed automatically:



Path /index.php is not a link

The target /index.php should be a link, but is of type file. This cannot be fixed automatically. Please investigate.



File /typo3temp/index.html does not exist

By using "Try to fix errors" we can try to create it



File /uploads/media/index.html does not exist

By using "Try to fix errors" we can try to create it



File /uploads/pics/index.html does not exist

By using "Try to fix errors" we can try to create it



File /uploads/tf/index.html does not exist

By using "Try to fix errors" we can try to create it



File /fileadmin/user_upload/_temp_/index.html does not exist

By using "Try to fix errors" we can try to create it



Directory /fileadmin/user_upload/_temp_/importexport does not exist

The Install Tool can try to create it



File /fileadmin/user_upload/_temp_/importexport/.htaccess does not exist

By using "Try to fix errors" we can try to create it



File /fileadmin/user_upload/_temp_/importexport/index.html does not exist









By using "Try to fix errors" we can try to create it



File /fileadmin/user_upload/index.html does not exist

By using "Try to fix errors" we can try to create it

Try to fix file and folder permissions

-  Important actions
-  Configuration Presets
-  All configuration
-  Upgrade Wizard
-  System environment
-  Folder structure
-  Test setup
-  Clean up

2

Logout from Install Tool

Backend admin

Frontend website

Load extension configuration

The system detected a fatal error during script execution and redirected to this module. Your loaded extensions are now checked for possible problems. After incompatible extensions are unloaded, you can restart the initial action to proceed your request.



Detected Fatal Error

require_once(): Failed opening required 'PATH_t3libclass.t3lib_page.php' (include_path='/Users/jochen/dev/muster-t3dd14/typo3/contrib/pear/./Applications/MAMP/bin/php/php5.4.25/lib/php') in /Users/jochen/dev/muster-t3dd14/typo3conf/ext/rlmp_tmplselector/class.tx_rlmp_tmplselector_addfilestosel.php on line 32

Check for broken extensions

Checks whether the local extensions' ext_tables and ext_localconf files can be included without errors, meaning they can be loaded without breaking the system.



Incompatible extension found!

The following extensions are not compatible. Please uninstall them and try again.

Uninstall rlmp_tmplselector

Uninstall all incompatible extensions: rlmp_tmplselector

Check extensions

After uninstall

Check for broken extensions

Checks whether the local extensions' `ext_tables` and `ext_localconf` files can be included without errors, meaning they can be loaded without breaking the system.



All local extensions can be loaded!

Check extensions

Upgrade Wizard

Upgrade Wizard



Show available update wizards



If you upgrade your TYPO3 installation from one major version to another (e.g. 6.1 to 6.2), then the Upgrade Wizards guide you through the necessary steps to upgrade your database records or explicitly install extensions that ship with the latest TYPO3 version.

Update database schema: Create tables and fields

There are tables or fields in the database which need to be created.

You have to run this update wizard before you can run any other update wizard to make sure all needed tables and fields are present.

Execute

Database analyzer

Database analyzer

The database analyzer compares the database table and field definitions of the current database with the specifications from all loaded extensions' ext_tables.sql files. Depending on the specification, the analyzer can update, delete, and change tables and fields.

Compare current database with specification

Clear all cache

Clear all cache

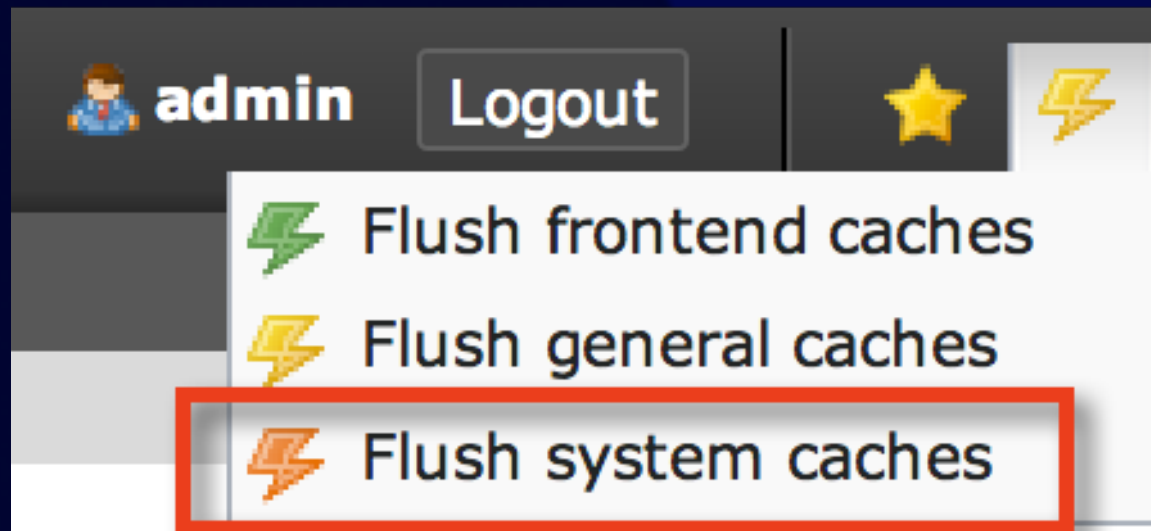
This clear all cache function works in a similar manner as the cache clearing in the backend, but takes a more straightforward approach and the according backend hooks are not executed.

This method can throw a fatal error if a broken extension is loaded. If you get a white page or a PHP error message, check your system with the broken extension test below.







Clear all cache

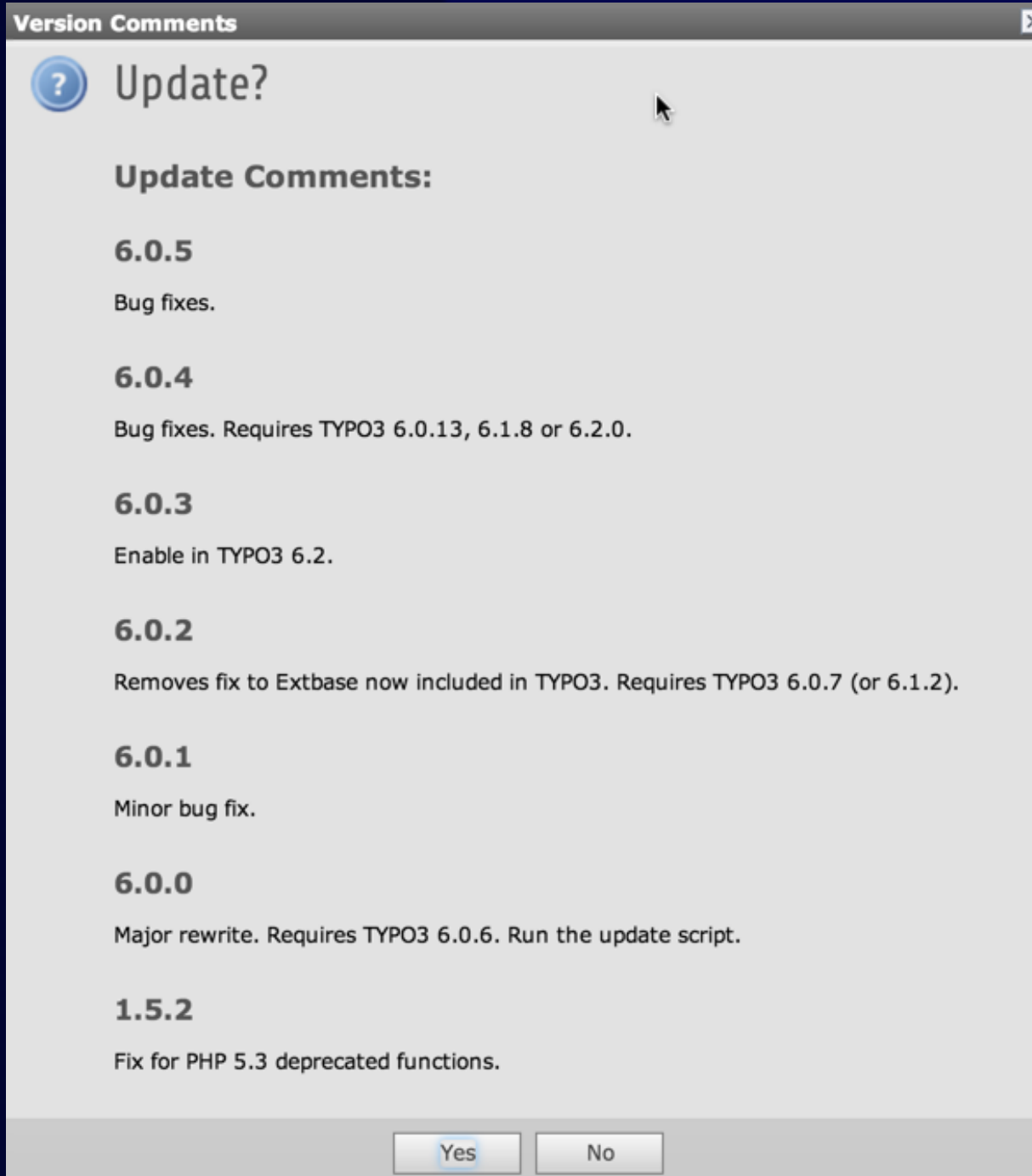
Admin User TSconfig

- `options.clearCache.system = 1`



Extensions Aktualisieren

Upd.	A/D	Extension	Key	Version
		 <u>Static Info Tables</u>	static_info_tables	2.3.2
		 Language Selection	sr_language_menu	1.5.2



Unsupported versions?



FormCycle

by xima media GmbH

form management with professional form designer, process management, inbox and more features.

Version	1.0.3 Stable
Last Updated	June 16, 2014
Downloads	177
Compatibility	4.5.0 - 6.2.0
Manual	Extension Manual

ext_emconf.php

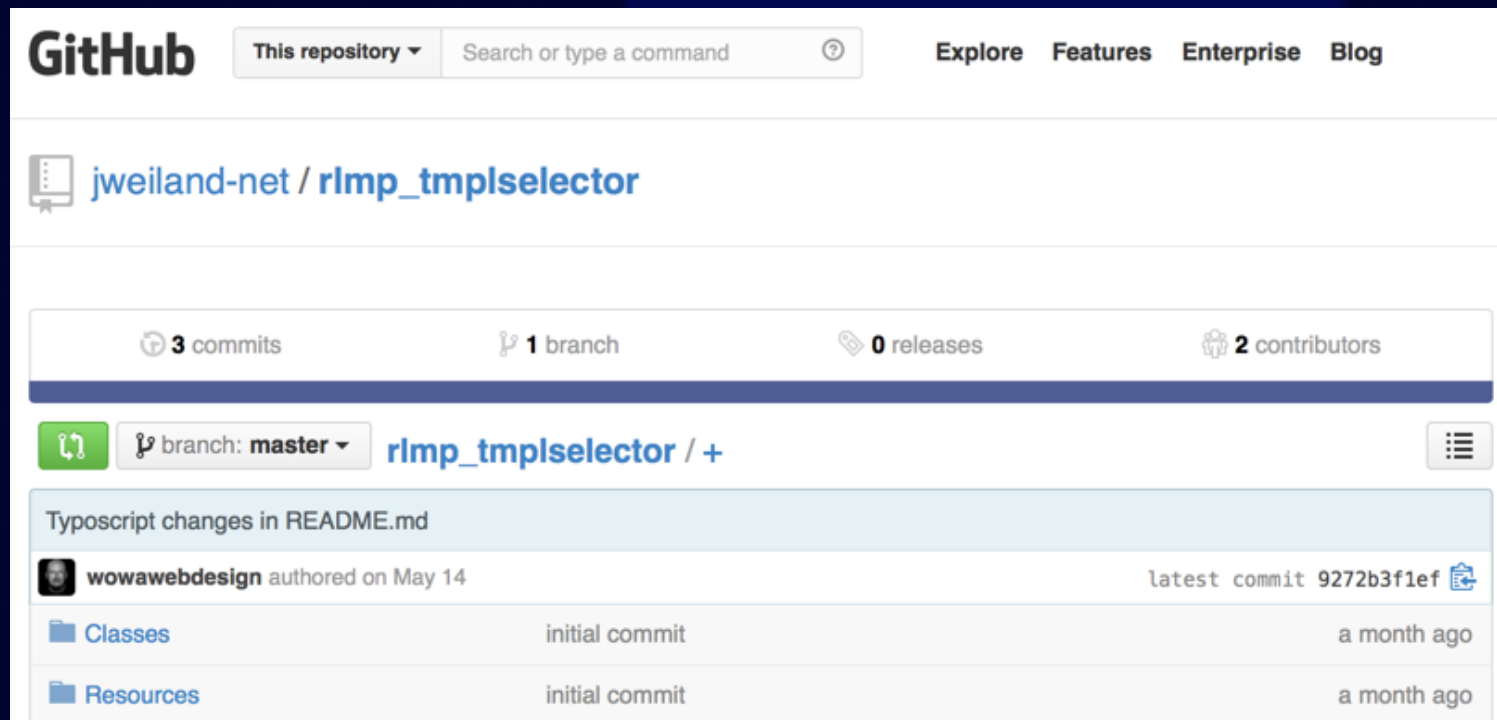
```
'constraints' => array(  
    'depends' => array(  
        'extbase' => '1.3',  
        'fluid' => '1.3',  
        'typo3' => '4.5.0-6.2.0',  
    ),  
),
```

Not in TER? check GIT!

- git.typo3.org
- Repository from author, e.g.

[github.com/jweiland-net/
rlmp_tmplselector](https://github.com/jweiland-net/rimp_tmplselector)

Extension from GIT



- in typo3conf/ext:
git clone https://github.com/jweiland-net/rimp_tmplselector

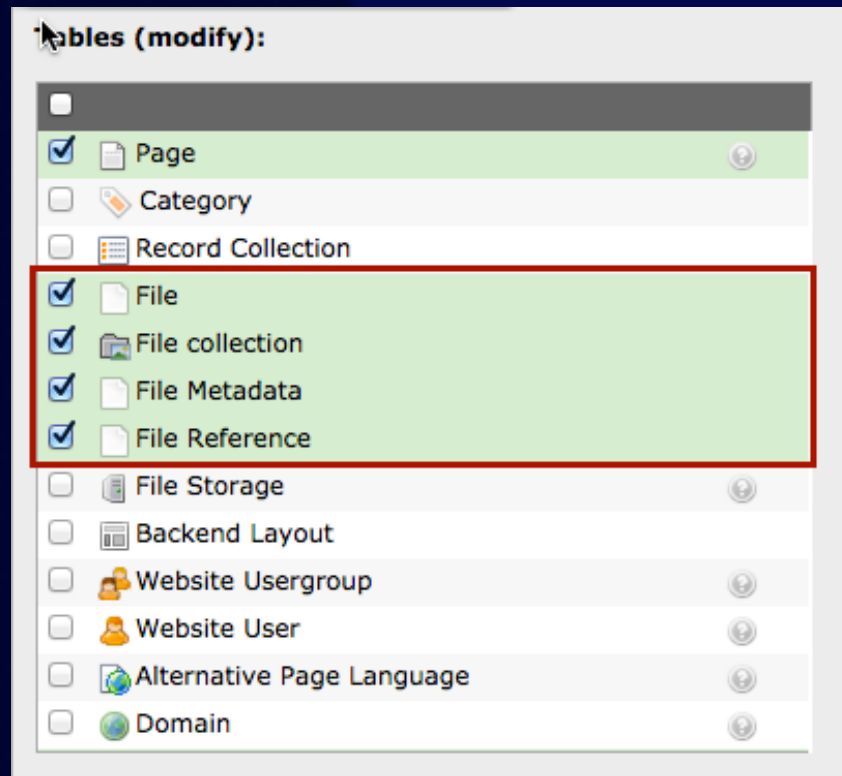
Changes in TypoScript

- `file.treatIdAsReference = 1`
- `cObject HTML => TEXT`

Editor-rights

- Backend user rights for non-admins
- Unlock the fields for file information in the user settings

Allow changing new database tables



Allowed excludefields for file metadata

Allowed excludefields:

- ☐ value from logged-in Frontend User (reuser_value)
- ☐ With Value (prefill_value)
- ☐ **File Metadata**
 - ☐ Access (fe_groups)
 - ☒ Caption (caption)
 - ☐ Categories (categories)
 - ☐ City (location_city)
 - ☐ Color Space (color_space)
 - ☐ Content Creation Date (content_creation_date)
 - ☐ Content Modification Date (content_modification_date)
 - ☐ Country (location_country)
 - ☐ Creator (creator)
 - ☐ Creator Tool (creator_tool)
 - ☒ Download Name (download_name)


Allowed excludefields for File Reference

Allowed excludefields:


☐ width (width)

☐ **File Reference**

- ☒ Alternative Text (alternative)
- ☒ Description (Caption) (description)
- ☒ Link (link)
- ☐ Show in preview views (showinpreview)
- ☒ Title (title)

 **File collection**

- ☐ Hide (hidden)
- ☐ Language (sys_language_uid)
- ☐ Start (starttime)
- ☐ Stop (endtime)
- ☐ Transl.Orig (l10n_parent)

 **Forms**

DAM to FAL Migration

- there are some helpful extensions



DAM to FAL Migration

- Extension dam_falmigration
https://github.com/froemken/t3ext-dam_falmigration
- Migrates tx_dam records to sys_file
- Migrates tx_dam metadata to sys_filemetadata
- Migrates media-tags from RTE to link-tags
- Migrates dam_category to sys_category

DAM to FAL Migration

- Extension `we_dam2fal62`
http://typo3.org/extensions/repository/view/we_dam2fal62
- it has an own backend model for the migration

Update Language Packs
















 Update from repository  Cancel

Language Administration

Languages

Language	Locale
<input type="checkbox"/> French (Canada)	fr_CA
<input type="checkbox"/> Galician	gl
<input type="checkbox"/> Georgian	ka
<input checked="" type="checkbox"/> German	de
<input type="checkbox"/> Greek	el
<input type="checkbox"/> Greenlandic	kl
<input type="checkbox"/> Hebrew	he
<input type="checkbox"/> Hindi	hi

Translations

Extension	German
 about	 Not available
 aboutmodules	 Updated
 adodb	 Updated
 automaketemplate	 Not available
 backend	 Not available
 belog	 Updated
 beuser	 Checking...
 captcha	Not checked

Scheduler Tasks

- the scheduler tasks have to be recreated

Helpful Video

you can find helpful videos for upgrading
from TYPO3 Version 4.5 to 6.2 on our
website

<https://jweiland.net/typo3-hosting/service/video-anleitungen/upgrade-auf-typo3-62.html>

Thank you for your
attention and enjoy
the day at
Phantasialand