Introduction

TYPO3 CMS 7 LTS - What’s New

The following slides focus on a specific topic. Depending on your role, the following topics might also be important for you:

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<thead>
<tr>
<th>BE User Interface</th>
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<th>In-Depth Changes</th>
<th>Extbase/Fluid</th>
<th>Deprecated/Removed</th>
<th>Sys.Administration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Editors</td>
<td>X</td>
<td></td>
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</tr>
<tr>
<td>Integrators</td>
<td></td>
<td>X</td>
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<td>Developers</td>
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<td>X</td>
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<tr>
<td>SysAdmins</td>
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<td>X</td>
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</tbody>
</table>

Download all versions of the What’s New Slides from typo3.org
A great many components of TYPO3 CMS have been reviewed and in accordance with TYPO3’s deprecation policy either classified as deprecated or removed. This ensures TYPO3 CMS 7 LTS does not rely on outdated and obsolete features and code routines, but benefits from modern and fast technologies which are state-of-the-art today. Some rarely used content elements and functions have been moved to the system extension EXT:compatibility6, which can be activated if required.
Deprecated/Removed Functions

Compatibility Layer

- TYPO3 CMS 6.2: a compatibility layer makes sure, old extensions work in the new codebase
  Drawback: decreased performance (not the full potential of the system)
- TYPO3 CMS 7.0: compatibility layer has been removed from the core
  Impact: old extensions possibly break (e.g. extensions without namespaces)
- Compatibility can be re-inforced by installing system extension
  EXT:compatibility6 if required
- This extension will be moved to TER at one point in the future
Deprecated/Removed Functions

Backend User Management

- Switch to backend user ("change-to mode") has been removed

**TYPO3 CMS 6.2**

<table>
<thead>
<tr>
<th>Username / Real Name</th>
<th>Last login</th>
</tr>
</thead>
<tbody>
<tr>
<td>editor1 Alice Brown</td>
<td>Never</td>
</tr>
<tr>
<td>editor2 John Smith</td>
<td>Never</td>
</tr>
</tbody>
</table>

**TYPO3 CMS 7.0**

<table>
<thead>
<tr>
<th>Username / Real Name</th>
<th>Last login</th>
</tr>
</thead>
<tbody>
<tr>
<td>editor1</td>
<td>Never</td>
</tr>
<tr>
<td>editor2</td>
<td>Never</td>
</tr>
</tbody>
</table>
 deprecated since TYPO3 CMS 4.7, have been removed, for example:

\TYPO3\CMS\Backend\Form\FormEngine->getSingleField_typeInput
\TYPO3\CMS\Backend\Form\FormEngine->getSingleField_typeText
\TYPO3\CMS\Core\Utility\GeneralUtility->quoted_printable
\TYPO3\CMS\Core\Utility\GeneralUtility->encodeHeader

HTMLArea.Editor.forceRedraw
(use HTMLArea.Framework.doLayout instead)

HTMLArea.Editor.convertNode
(use HTMLArea.DOM.convertNode instead)

HTMLArea.Editor.getBlockAncestors
(use HTMLArea.DOM.getBlockAncestors instead)
Deprecated/Removed Functions

Removed Functions (1)

- TypoScript setting `config.uniqueLinkVars` has been removed (this behaviour is the default now)
- ViewHelper `\TYPO3\CMS\Documentation\ViewHelpers\Link\Action` has been removed (use `f:be.buttons.icon` or `f:uri.*` instead)
- PageTSconfig option `mod.web_list.alternateBgColors` has been removed
- PropertyMapper has been removed (including option `rewrittenPropertyMapper = 0`)
- TypoScript conditions have been removed:
  - browser
  - version
  - system
  - useragent
Deprecated/Removed Functions

Removed Methods (1)

The following methods have been removed:

- `connectDB`
  of class `\TYPO3\CMS\Frontend\Utility\EidUtility`

- `isDisplayCondition`
  of class `\TYPO3\CMS\Form\FormEngine`

- `int_from_ver`
  of class `\TYPO3\CMS\Core\Utility\GeneralUtility`

- `getUniqueFields`
  of class `\TYPO3\CMS\Core\DataHandling\DataHandler`
Deprecated/Removed Functions

Removed Methods (2)

The following **methods** have been removed:

- `isSafeModeEnabled`
  of class `\TYPO3\CMS\Core\Utility\PhpOptionsUtility`

- `registerSwiftMailer`
  of class `\TYPO3\CMS\Core\Bootstrap`

- `loadTCA`
  of class `\TYPO3\CMS\Core\Utility\GeneralUtility`

- `isLocalconfWritable`
  of class `\TYPO3\CMS\Core\Utility\ExtensionManagementUtility`
Deprecated/Removed Functions

Removed Classes

The following **classes** have been removed:

- \TYPO3\CMS\Backend\Template\MediumDocumentTemplate
- \TYPO3\CMS\Extbase\Service\TypeHandlingService
$TYPO3_CONF_VARS[SYS][compat_version]

- Option $TYPO3_CONF_VARS[SYS][compat_version] (which was modified on update in the Install Tool wizard) has been removed
- All checks on GeneralUtility::compat_version are now made against constant TYPO3_branch

Note: TypoScript conditions, which check for older compat_version have a different behaviour now!
Deprecated/Removed Functions

Inline styles of `<blockquote>` tag

- CSS Styled Content renders `<blockquote>` tags using `lib.parseFunc_RTE TypoScript`
- These lines have been removed without substitution:

```plaintext
lib.parseFunc_RTE.externalBlocks.blockquote.callRecursive.tagStdWrap.HTMLparser = 1
lib.parseFunc_RTE.externalBlocks.blockquote.callRecursive.tagStdWrap.HTMLparser.tags.blockquote.
  overrideAttribs = style="margin-bottom:0;margin-top:0;"
```

- As a result, inline styles "margin-bottom:0;margin-top:0;" are removed

**Note:** styling of `<blockquote>` tags possibly differ after an upgrade to TYPO3 CMS 7.1.
Deprecated/Removed Functions

Workspaces: field disable_autocreate

- Deprecated field disable_autocreate has been removed from EXT:workspaces
- If a TYPO3 extension relies on this field, a SQL error occurs
Deprecated/Removed Functions

Functionality include_once

- Functionality to include PHP files within module functions (e.g. Info module) via an include_once array has been removed.
- This applies to the following modules:
  - Web => Page
  - Web => Page - New Content Element Wizard
  - Web => Functions
  - Web => Info
  - Web => Template
  - Web => Recycler
  - User => Task Center
  - System => Scheduler
Deprecated/Removed Functions

**Setting** `config.meaningfulTempFilePrefix`

- In TYPO3 CMS < 7.1, file names of images generated by the GIFBUILDER could be influenced by TypoScript option:
  `config.meaningfulTempFilePrefix`
  (GIFBUILDER used a hash value as the file name only)
- This option has been removed (names of files in directory `typo3temp/GB/` show the original file name as the first element automatically)
Removed files

The following **files** have been removed:

- typo3/file_edit.php
- typo3/file_newfolder.php
- typo3/file_rename.php
- typo3/file_upload.php
- typo3/show_rechis.php
- typo3/listframe_loader.php

Their functionalities have been migrated to backend modules, e.g. `typo3/file_edit.php` in `BackendUtility::getModuleUrl('file_edit');`
Deprecated/Removed Functions

ExtJS DateTimePicker

- ExtJS component Ext.ux.DateTimePicker has been removed and replaced with a Twitter Bootstrap alternative (see chapter "Backend User Interface")
- Affected TYPO3 CMS system extensions are EXT:belog or EXT:scheduler for example

Note: extensions which rely on the deprecated function Ext.ux.DateTimePicker will likely break!
Deprecated/Removed Functions

Access List Render Mode

- The following **variable** has been removed:
  
  `$GLOBALS[\'TYPO3_CONF_VARS\'][\'BE\'][\'accessListRenderMode\']`

- Corresponding fields in TCA tables `be_users` and `be_groups` are set to the default value "checkbox"

- This can be changed in file `typo3conf/extTables.php`:

```php
$GLOBALS[\'TCA\'][\'be_users\'][\'columns\'][\'file_permissions\'][\'config\'][\'renderMode\'] = \'singlebox\';
$GLOBALS[\'TCA\'][\'be_users\'][\'columns\'][\'userMods\'][\'config\'][\'renderMode\'] = \'singlebox\';

$GLOBALS[\'TCA\'][\'be_groups\'][\'columns\'][\'file_permissions\'][\'config\'][\'renderMode\'] = \'singlebox\';
$GLOBALS[\'TCA\'][\'be_groups\'][\'columns\'][\'pagetypes_select\'][\'config\'][\'renderMode\'] = \'singlebox\';
$GLOBALS[\'TCA\'][\'be_groups\'][\'columns\'][\'tables_select\'][\'config\'][\'renderMode\'] = \'singlebox\';
$GLOBALS[\'TCA\'][\'be_groups\'][\'columns\'][\'tables_modify\'][\'config\'][\'renderMode\'] = \'singlebox\';
$GLOBALS[\'TCA\'][\'be_groups\'][\'columns\'][\'non_exclude_fields\'][\'config\'][\'renderMode\'] = \'singlebox\';
$GLOBALS[\'TCA\'][\'be_groups\'][\'columns\'][\'userMods\'][\'config\'][\'renderMode\'] = \'singlebox\';
```
 Deprecated/Removed Functions

Content element "Mailform"

- Mailform functionality, which provided the cObject FORM, has been removed from the core
- Still available in legacy extension EXT:compatibility6 if required
- The following options have been marked as deprecated:
  - $TYPO3_CONF_VARS[FE][secureFormmail]
  - $TYPO3_CONF_VARS[FE][strictFormmail]
  - $TYPO3_CONF_VARS[FE][formmailMaxAttachmentSize]

- The following methods within TypoScriptFrontendController have been removed:
  - protected checkDataSubmission()
  - protected sendFormmail()
  - public extractRecipientCopy()
  - public codeString()
  - protected roundTripCryptString()
Deprecated/Removed Functions

Functionality changed (1)

- EXT:indexed_search is activated as soon as the extension is installed. As a result, appropriate TypoScript options `config.index_enable = 1` and `config.index_externals = 1` become active automatically, too.
- TSconfig `web_func.menu.wiz` changed to `web_func.menu.functions`.
- Extensions, which integrate into the upper right toolbar, must implement the new interface:
  `TYPO3\CMS\Backend\Toolbar\ToolbarItemInterface`
  and must be registered in:
  `$GLOBALS['TYPO3_CONF_VARS']['BE']['toolbarItems']`
Deprecated/Removed Functions

Functionality changed (2)

- File `typo3/js/tree.js` has been replaced by `EXT:backend/Resources/Public/JavaScript/LegacyTree.js` (latter is based on jQuery)

- Variable `$GLOBALS['WEBMOUNTS']` has been replaced by `$GLOBALS['BE_USER']->returnWebmounts()`

- Support of `.t3-table` and `.t3-button` has been removed (Twitter Bootstrap classes implement the visual appearance now)

- Country flags (PNG images) have been moved from `typo3/gfx/flags/` and `typo3/sysext/t3skin/images/flags/` to: `typo3/sysext/core/Resources/Public/Icons/flags/`
Deprecated/Removed Functions

Functionality changed (3)

- CSS Styled Content TypoScript templates for TYPO3 CMS 4.5 to 6.1 have been removed.
- The following TypoScript cObjects have been moved to legacy extension `EXT:compatibility6`:
  
  SEARCHRESULTS  COLUMNS  OTABLE  CLEARGIF
  IMGTEXT  CTABLE  HRULER

- Content element `search` has been moved to legacy extension `EXT:compatibility6`.
- The following TCA wizard options have been removed:
  
  _PADDING  _VALIGN  _DISTANCE
Deprecated/Removed Functions

TypoScript option **andWhere**

- TypoScript option **andWhere** has been marked as deprecated
- Integrators should use properties **where** and **markers** instead:

```typo3
page.30 = CONTENT
page.30 {
    table = tt_content
    select {
        pidInList = this
        orderBy = sorting
        where {
            dataWrap = sorting>{field:sorting}
        }
    }
}
```

```typo3
page.60 = CONTENT
page.60 {
    table = tt_content
    select {
        pidInList = 73
        where = header != ###whatever###
        orderBy = ###sortfield###
        markers {
            whatever.data = GP:first
            sortfield.value = sor
            sortfield.wrap = |ting
        }
    }
}
```
Deprecated/Removed Functions

Deprecated entry points

- The following entry points have been classified as deprecated:
  - `typo3/tce_file.php`
  - `typo3/move_el.php`
  - `typo3/tce_db.php`
  - `typo3/login_frameset.php`
  - `typo3/sysext/cms/layout/db_new_content_el.php`
  - `typo3/sysext/cms/layout/db_layout.php`

- Instead, use the following:
  
  ```php
  \TYPO3\CMS\Backend\Utility\BackendUtility::getModuleUrl(''<parameter>'')
  ```

  Where `<parameter>` could be:
  - `tce_file`, `move_element`, `tce_db`, `login_frameset`,
  - `new_content_element`, `web_layout`
Deprecated/Removed Functions

Miscellaneous (1)

- TypoScript option config.xhtmlDoctype = xhtml_2 has been marked for removal in TYPO3 CMS 8

- The following methods have been marked as deprecated:
  
  TYPO3\CMS\Backend\Utility\BackendUtility::implodeTSPrams()
  TYPO3\CMS\Backend\Controller::makeLoginBoxImage()

- The following method has been marked as deprecated:
  
  LocalImageProcessor::getTemporaryImageWithText()

  ...and is replaced by:

  TYPO3\CMS\Core\Imaging\GraphicalFunctions::getTemporaryImageWithText()

- StdWrap properties textStyle and tableStyle have been marked as deprecated
Deprecated/Removed Functions

**Miscellaneous (2)**

- TypoScript option `page.includeJSlibs` has been renamed to `page.includeJSLibs` (uppercase "L") and old option marked as deprecated
- TypoScript condition `device` has been marked as deprecated
- Method `DocumentTable::table()` has been marked as deprecated (developers should use Fluid for this)
- The following method has been marked as deprecated:
  ```php
  TYPO3\CMS\Frontend\Controller\TypoScriptFrontendController::doXHTML_cleaning()
  ...
  ```
  as well as the TypoScript option `config.xhtml_cleaning`
- The following hook has been marked as deprecated:
  ```php
  $GLOBALS[‘TYPO3_CONF_VARS’][‘SC_OPTIONS’][‘GLOBAL’][‘softRefParser_GL’]`
The following methods have been marked as deprecated:

- TypoScriptTemplateObjectBrowserModuleFunctionController::verify_TSobjects()
- ExtendedTemplateService::ext_getKeyImage()
- ConfigurationForm::ext_getKeyImage()

Executing `contentObject->COBJECT()` has been marked as deprecated
(use `$cObj->cObjGetSingle('...', $conf);` instead)

Direct access to FormEngine::$renderReadonly has been marked as deprecated
(use AbstractFormElement::setRenderReadonly(TRUE); instead)
Deprecated/Removed Functions

Miscellaneous (4)

- The following FormEngine methods are marked as deprecated:
  - FormEngine::insertDefStyle
  - FormEngine::getAvailableLanguages()
  - FormEngine::sL()
  - FormEngine::renderVDEFDiff()
  - FormEngine::getLL()
  - FormEngine::getTSCpid()
  - FormEngine::getSingleField_typeFlex_langMenu()
  - FormEngine::getSingleField_typeFlex_sheetMenu()
  - FormEngine::getSpecConfFromString()
Deprecated/Removed Functions

FormEngine Refactoring (1)

- A major refactoring of FormEngine classes and its sub classes happened, which impacts properties and methods
- In TYPO3 CMS 7.2 many internal properties, such as `FormEngine->$defaultInputWidth` or `FormEngine->$RTEenabled` are ignored
- Properties `FormEngine->$allowOverrideMatrix` and `SuggestElement->class` are protected now
- If format of type=none is set to user in TCA, the configured userFunc no longer gets an instance of FormEngine as parent object, but an instance of NoneElement
 Deprecated/Removed Functions

FormEngine Refactoring (2)

The following methods (and more) have been classified as **deprecated**:

- `FormEngine->renderWizards()`
- `FormEngine->dbFileIcons()`
- `FormEngine->getClipboardElements()`
- `FormEngine->getSingleField_typeNone_render()`
- `FormEngine->formMaxWidth()`
- `FormEngine->addItem()`
- `SuggestElement->init()`
- ...

**Tip:** review the `deprecation_*_.log` to find out where these methods have been ported to, in case your extension(s) use the FormEngine.
Deprecated/Removed Functions

FormEngine Refactoring (3)

The following methods have been renamed:

OLD: \TYPO3\CMS\Backend\Form\Element\SuggestElement
NEW: \TYPO3\CMS\Backend\Form\Wizard\SuggestWizard

OLD: \TYPO3\CMS\Backend\Form\Element\SuggestDefaultReceiver
NEW: \TYPO3\CMS\Backend\Form\Wizard\SuggestWizardDefaultReceiver

OLD: \TYPO3\CMS\Backend\Form\Element\ValueSlider
NEW: \TYPO3\CMS\Backend\Form\Wizard\ValueSliderWizard
Deprecated/Removed Functions

Backend Entry Points

- The following Backend Entry Points are changed:
  - typo3/logout.php (logout)
  - typo3/alt_file_navframe.php (file_navframe)
  - typo3/dummy.php (dummy)
  - typo3/browser.php (browser)
  - typo3/db_new.php (db_new)
  - typo3/show_item.php (show_item)

- URLs can be determined by using the following approach:

  \TYPO3\CMS\Backend\Utility\BackendUtility::getModuleUrl(...)

  For example:

  \TYPO3\CMS\Backend\Utility\BackendUtility::getModuleUrl('logout')
Deprecated/Removed Functions

Backend Login Refactoring

- Due to a refactoring of the backend login, Fluid is used as the template engine and the signal `LoginController::SIGNAL_RenderLoginForm` has been removed.
- Additionally, the following methods of the LoginController have been removed:
  - `LoginController::makeLoginBoxImage`
  - `LoginController::wrapLoginForm`
  - `LoginController::makeLoginNews`
  - `LoginController::makeLoginForm`
  - `LoginController::makeLogoutForm`
Deprecated/Removed Functions

Miscellaneous (1)

- In TYPO3 CMS < 7.2 URIs to a module which was dispatched through `mod.php` was stored as an array in a global variable `$GLOBALS['MCONF']['_']`. This has been removed without substitution and extensions need to use `BackendUtility::getModuleUrl()` instead.
- The option to retrieve the local path of a FAL file via TypoScript has been removed: `a.value.data = file:current:localPath`.
- The following `tt_content` TCA fields have been moved to `EXT:compatibility6`:
  - `altText`
  - `imagecaption`
  - `imagecaption_position`
  - `image_link`
  - `longdescURL`
  - `titleText`
The third-party library `websvg` has been **removed** from the TYPO3 CMS core. The according TypoScript options (page.javascriptLibs.SVG.*) and public methods within PageRenderer have been **removed** without substitution, too. For example: `$pageRenderer->loadSvg()`.

The following keys under `mod.web_info.menu.function` have been **renamed** (this has an impact on PageTSconfig):

- `tx_cms_webinfo_page` -> `TYPO3\CMS\Frontend\Controller\PageInformationController`
- `tx_cms_webinfo_lang` -> `TYPO3\CMS\Frontend\Controller\TranslationStatusController`
- `tx_belog_webinfo` -> `TYPO3\CMS\Belog\Module\BackendLogModuleBootstrap`
- `tx_infopagetsconfig_webinfo` -> `TYPO3\CMS\InfoPagetsconfig\Controller\InfoPageTyposcriptConfigController`
- `tx_linkvalidator_ModFuncReport` -> `TYPO3\CMS\Linkvalidator\Report\LinkValidatorReport`
Deprecated/Removed Functions

Miscellaneous (3)

- Parameter $returnHTML of method \TYPO3\CMS\Core\Utility\DebugUtility::debugRows() is not used anymore and has been marked deprecated.

- TypoScript option config.prefixLocalAnchors has been marked as deprecated, as well as the appropriate methods in TypoScriptFrontendController: prefixLocalAnchorsWithScript() and doLocalAnchorFix().

- Public method $TSFE->checkFileInclude() in the global FrontendController is deprecated now. Use the autoloader or $TSFE->tmpl->getFileName() instead.
**Deprecated/Removed Functions**

**Miscellaneous (4)**

- The two cObjects `COBJ_ARRAY` (alias for `COA`) and `CASEFUNC` (alias for `CASE`) have been moved to extension `EXT:compatibility6` (and marked as **deprecated**) and are not available by default anymore.

- The DataHandler property `stripslashes_values` has been marked as **deprecated**.

- The "ThumbnailView" as well as `thumbs.php` and `BackendUtility::getThumbNail()` are **deprecated** now and will be removed in TYPO3 CMS Version 8 (see `BackendUtility::thumbCode()` for migration inspirations).
Deprecated/Removed Functions

Miscellaneous (5)

- Namespace `mod.tx_linkvalidator` of the LinkValidator Scheduler Task changed to `mod.linkvalidator` in order to make the setting consistent with TSconfig
Deprecated/Removed Functions

FormEngine Refactoring

TCA:

- Options _PADDING, _VALIGN and DISTANCE have been removed from TCA['aTable']['columns']['aField']['config']['wizards']
- Key TCA['aTable']['ctrl']['mainPalette'] has been removed

TSconfig:

- Keys mod.web_layout.tt_content.fieldOrder and TCEFORM.aTable.aField.linkTitleToSelf have been removed

Hooks:

- Hooks use key type instead of form_type now
- Hook getSingleFieldClass has been removed
Deprecated/Removed Functions

Removal of \texttt{IdentityMap} from Extbase Persistence

- Class \texttt{IdentityMap} has been removed from Extbase persistence (a \texttt{ReflectionException} is thrown if it is still used)
- Accessing the previously existing \texttt{IdentityMap} properties within \texttt{DataMapper} and \texttt{Repository} will fail now and the creation of \texttt{IdentityMap} instances is not possible anymore
- Use "Sessions" persistence instead:

  ```php
  $session = \GeneralUtility::makeInstance(ObjectManager::class)->get(
      \TYPO3\CMS\Extbase\Persistence\Generic\Session::class
  )
  $session->registerObject($object, $identifier);
  if($session->hasIdentifier($identifier)) {
    $object = $session->getObjectByIdentifier($identifier, $className);
  }
  ```
Deprecated/Removed Functions

Miscellaneous (1)

- File `typo3conf/extTables.php` is deprecated. Use the following file instead:
  `<your_extension>/Configuration/TCA/Overrrides/pages.php`

- Configuration `$TYPO3_CONF_VARS[gfx][png_to_gif]` has been removed

- In TYPO3 CMS installations, which do not have extension `rsaauth` installed, BE login passwords are transferred in plain text now (solution: install extension `rsaauth` or use HTTPS for the BE)

- Method `exec_SELECTgetRows()` validates parameter `$uidIndexField` now. If the specified field is not present in the database result, an `InvalidArgumentException` is thrown.
Deprecated/Removed Functions

Miscellaneous (2)

- DBAL option `config.classFile` has been removed
- Options `iconOnly` and `styleAttributes` of `CshViewHelper` are marked as deprecated now
- TypoScript option `page.bgImg` is deprecated now
- Method `isEnabled()` of class `T3editor` is deprecated now
- Old TYPO3 ClassLoader has been removed in favor of Composer ClassLoader
Deprecated/Removed Functions

System Extension **cms** Removed (1)

- System extension **cms** has been removed
- Extension developers should review dependency settings in file `ext_emconf.php`

```php
[...]
'constraints' => array(
    'depends' => array(
        // 'cms' => '...', <= WRONG!
        'typo3' => '7.0.0-7.99.99',
    ),
),
[...]
```

- Most of the functionality has been migrated to system extension **frontend** (this might require an update of language references, see next slide)
Deprecated/Removed Functions

System Extension **cms** Removed (2)

- **Required updates of references to language files:**
  
  OLD: typo3/sysext/cms/web_info/locallang.xlf  
  NEW: typo3/sysext/frontend/Resources/Private/Language/locallang_webinfo.xlf  

  OLD: typo3/sysext/cms/locallang_ttc.xlf  
  NEW: typo3/sysext/frontend/Resources/Private/Language/locallang_ttc.xlf  

  OLD: typo3/sysext/cms/locallang_tca.xlf  
  NEW: typo3/sysext/frontend/Resources/Private/Language/locallang_tca.xlf  

  OLD: typo3/sysext/cms/layout/locallang_db_new_content_el.xlf  
  NEW: typo3/sysext/backend/Resources/Private/Language/locallang_db_new_content_el.xlf  

  OLD: typo3/sysext/cms/layout/locallang.xlf  
  NEW: typo3/sysext/backend/Resources/Private/Language/locallang_layout.xlf  

  OLD: typo3/sysext/cms/layout/locallang_mod.xlf  
  NEW: typo3/sysext/backend/Resources/Private/Language/locallang_mod.xlf  

  OLD: typo3/sysext/cms/locallang_csh_webinfo.xlf  
  NEW: typo3/sysext/frontend/Resources/Private/Language/locallang_csh_webinfo.xlf  

  OLD: typo3/sysext/cms/locallang_csh_weblayout.xlf  
  NEW: typo3/sysext/frontend/Resources/Private/Language/locallang_csh_weblayout.xlf
The following PageRenderer methods have been classified as deprecated:

- TYPO3\CMS\Backend\Controller\BackendController::getPageRenderer()
- TYPO3\CMS\Backend\Template\DocumentTemplate::getPageRenderer()
- TYPO3\CMS\Backend\Template\FrontendDocumentTemplate::getPageRenderer()
- TYPO3\CMS\Frontend\Controller\TypoScriptFrontendController::getPageRenderer()

The following code should be used to get an instance of the PageRenderer instead:

\TYPO3\CMS\Core\Utility\GeneralUtility::makeInstance(\TYPO3\CMS\Core\Page\PageRenderer::class)
**Deprecated/Removed Functions**

**Deprecated GeneralUtility Methods**

The following GeneralUtility methods have been classified as **deprecated** and will be removed in TYPO3 CMS version 8:

- `GeneralUtility::modifyHTMLColor()`
- `GeneralUtility::modifyHTMLColorAll()`
- `GeneralUtility::isBrokenEmailEnvironment()`
- `GeneralUtility::normalizeMailAddress()`
- `GeneralUtility::formatForTextarea()`
- `GeneralUtility::getThisUrl()`
- `GeneralUtility::cleanOutputBuffers()`
- `GeneralUtility::readLLfile()`

**Method readLLfile()** can be replaced by the following code:

```php
/** @var $languageFactory \TYPO3\CMS\Core\Localization\LocalizationFactory */
$languageFactory = GeneralUtility::makeInstance(
    \TYPO3\CMS\Core\Localization\LocalizationFactory::class
);
$languageFactory->getParsedData($fileToParse, $language, $renderCharset, $errorMode);
```
Deprecated/Removed Functions

JavaScript Libraries Removed

- JavaScript libraries `prototype.js` and `scriptaculous` have been removed. As a consequence, the following TypoScript properties do not have any functionality anymore:
  - `page.javascriptLibs.Prototype`
  - `page.javascriptLibs.Scriptaculous.*`

- Using the following attributes in ViewHelper `be.container` results in an error:

  `<f:be.container loadPrototype="false" loadScriptaculous="false" scriptaculousModule="someModule,someOtherModule">`

- As a replacement, `jQuery` and `RequireJS` should be used (which are already loaded in the backend by default)
Deprecated/Removed Functions

**Deprecated: init.php, mod.php and ajax.php**

- In order to clean up the content of folder typo3, the following files have been marked as deprecated: `init.php`, `mod.php` and `ajax.php`.

- The following code can be used for Init Entry Points:

  ```php
call_user_func(function() {
    $classLoader = require __DIR__ . '/vendor/autoload.php';
    (new TYPO3\CMS\Backend\Http\Application($classLoader))->run();
  });
```

- The following method call can be used to access `mod.php`:

  ```php
  BackendUtility::getModuleUrl()
  ```
Deprecated/Removed Functions

TCA: Additional Palette Removed

- String `showitem` of TCA key `types` allowed developers to define an additional palette
- This has been removed and migrated to the normal palette now

Before:

```php
'types' => array(
    'aType' => array(
        'showitem' => 'aField;aLabel;anAdditionalPaletteName',
    ),
),
```

Now:

```php
'types' => array(
    'aType' => array(
        'showitem' => 'aField;aLabel, --palette--; anAdditionalPaletteName',
    ),
),
```
cObjects "Text" and "Text with Images" had a checkbox "RTE enabled" in the past. This has been removed, including the appropriate TCA option flag.

The following TypoScript options to include PHP files have been removed:

- config.includeLibrary
- config.includeLibs

Directory typo3/ext has been removed (but not the option to use global extensions: the directory can be created manually)
Deprecated/Removed Functions

Miscellaneous (2)

- ExtCore (a standalone, slim ExtJS adapter) has been removed, including the following TypoScript options:
  - page.javascriptLibs.ExtCore.*
  - page.javascriptLibs.ExtJs.*

  This also includes the option in the `<f:be.container>` ViewHelper.

- So called "BigButtons" ("Edit Page Properties", "Move Page", ...) have been removed, including their TSconfig settings
  mod.we_layout.disableBigButtons
Deprecated/Removed Functions

Miscellaneous (3)

- Error- and exception handling can no longer be configured in extensions (e.g. overwritten in `ext_localconf.php`), but in files `LocalConfiguration.php` or `AdditionalConfiguration.php` only.

- Field "General Record Storage Page", which contained the storage PID for a page, has been removed. The storage PID must be configured using TypoScript or FlexForms now.

- Function `IconUtility::getIcon()` has been classified as deprecated (use method `IconUtility::getSpriteIconForRecord()` instead).
Deprecated/Removed Functions

Slash-related Methods in GeneralUtility

The following methods of class GeneralUtility have been marked as deprecated:

- GeneralUtility::addSlashesOnArray()
- GeneralUtility::stripSlashesOnArray()
- GeneralUtility::slashArray()
 Deprecated/Removed Functions

CLI-related Constants and Methods

- Logic regarding regular CLI-based scripts with the CLIkey option has been moved to the CliRequestHandler and therefore, the following method marked as deprecated:

  BackendUserAuthentication->checkCLIuser()

- Additionally, the following constants and global parameters have been marked deprecated:

  const TYP03_cliKey
  const TYP03_cliInclude
  $GLOBALS[’MCONF’][’name’]
  $GLOBALS[’temp_cliScriptPath’]
  $GLOBALS[’temp_cliKey’]
 Deprecated/Removed Functions

IconUtility

- Interface IconUtilityOverrideResourceIconHookInterface as well as class IconUtility will be removed in TYPO3 CMS 8
- All public methods of this class have been marked as deprecated:

  IconUtility::skinImg()
  IconUtility::getSpriteIcon()
  IconUtility::getSpriteIconForRecord()
  IconUtility::getSpriteIconClasses()
  IconUtility::getIcon()
  IconUtility::getSpriteIconForFile()
  IconUtility::getSpriteIconForResource()

  (some methods have been moved to IconFactory)
- In addition, the following PageTSConfig setting has been marked as deprecated:

  mod.wizards.newContentElement.wizardItems.*.elements.*.icon
Deprecated/Removed Functions

**Deprecated HtmlParser Methods**

- Marker substitution functionality has been moved from core/Classes/Html/HtmlParser.php to its own class core/Classes/Service/MarkerBasedTemplateService.php

- The following methods within HtmlParser will be removed in TYPO3 CMS 8 and have been marked as deprecated now:
  
  ```php
  HtmlParser::getSubpart()
  HtmlParser::substituteSubpart()
  HtmlParser::substituteSubpartArray()
  HtmlParser::substituteMarker()
  HtmlParser::substituteMarkerArray()
  HtmlParser::substituteMarkerAndSubpartArrayRecursive()
  ```
 Deprecated/Removed Functions

**System extension form**

- System extension form is based on Extbase/Fluid now
- Therefore all TypoScript-based layout settings have been marked as deprecated and using layout is not recommended anymore:

```plaintext
10 = FORM
10 {
    layout {
        containerWrap = <div><elements ></elements></div>
        elementWrap = <div><element ></element></div>
    }
}
```
Deprecated/Removed Functions

Deprecated ViewHelpers and Methods

The following ViewHelpers have been marked as deprecated:

- \TYPO3\CMS\Fluid\ViewHelpers\Be\Buttons\IconViewHelper
- \TYPO3\CMS\Backend\ViewHelpers\SpriteManagerIconViewHelper

The following methods have been marked as deprecated:

- BackendUtility::getExcludeFields()
- BackendUtility::getExplicitAuthFieldValues()
- BackendUtility::getSystemLanguages()
- BackendUtility::getRegisteredFlexForms()
- BackendUtility::exec_foreign_table_where_query()
- BackendUtility::replaceMarkersInWhereClause()
Deprecated/Removed Functions

AJAX Routes

- AJAX handlers registered in the core by `ExtensionManagementUtility::registerAjaxHandler()` have been replaced by AJAX routes, which are registered under `Configuration/Backend/AjaxRoutes.php`

- Complete list (old/new) is available at: `Breaking-69916-RegisteredAJAXHandlersReplacedByRoutes.rst`
Deprecated/Removed Functions

Miscellaneous

- Extension mediace has been moved to the TYPO3 Extension Repository.
- TCA configuration dynamicConfigFile within the ctrl section of a table has been deprecated. The table configuration is located as Configuration/TCA/<table_name>.php now.
- The jumpurl function has been removed from the core and is available as an extension in TYPO3 Extension Repository.
Sources and Authors

Sources

**TYPO3 News:**
- [http://typo3.org/news](http://typo3.org/news)

**Release Infos:**
- INSTALL.md and ChangeLog
- [typo3/sysext/core/Documentation/Changelog/*](typo3/sysext/core/Documentation/Changelog/*)

**TYPO3 Bug-/Issuetracker:**

**TYPO3 Git Repositories:**
- [https://git.typo3.org/Packages/TYPO3.CMS.git](https://git.typo3.org/Packages/TYPO3.CMS.git)
- [https://git.typo3.org/Packages/TYPO3.Fluid.git](https://git.typo3.org/Packages/TYPO3.Fluid.git)
Sources and Authors

**TYPO3 CMS What’s New Slides:**

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