TYPO3 v9 LTS - RELEASE PARTY
Hamburg

TYPO3 Association
info@typo3.org
@typo3
Since the last LTS version 8.7.0...
... 266 different contributors ...
... made 3,279 Git commits ...
... in 545 days ...
... this means 6 commits / day ...
... 10,963 files were changed ...
... 498,682 lines of code were added ...
... 360,888 lines of code were removed ...
... this means that there are now 137,794 more lines of code ...
TYPO3 V9 LTS - TODAY

TYPO3 v9 is faster, more user friendly, more mobile friendly, more cloud friendly, and more business friendly.
So, here’s what’s new in TYPO3 v9 LTS!
Site Management
One central place to manage your sites
New backend module "Sites"
General settings
Language management
Individual language settings
Language fallback chain
Error handling
Settings for error handling
Configuration as YAML file
Page-based URL Handling

Speaking URLs "out of the box"
Page-based URL handling

- New field "URL Segment" has been added to page properties
- All links generated in the backend and frontend use this field, if set
- Languages are taken into account automatically
- No need for third-party extensions to generate "speaking URLs"
Content Management Made Easy

To help get you started with TYPO3, we’ve included usage examples of the core content elements that have made TYPO3 so popular.

These examples illustrate how - straight out-of-the-box - TYPO3 delivers a vast amount of freedom to content editors. Unlike more static content management systems, TYPO3 content management is highly element-based and granular.

Click on any of the links in the secondary navigation, to the right, to see examples of each core content element.

Feel free to log into the TYPO3 backend to see how easily these content elements (and pages) can be created, deleted, and modified!
Admin Panel:
New Architecture & Design
An insight into the internal processes of TYPO3 at run-time
Admin Panel: New Architecture & Design

- A completely new Admin Panel
- Structured & clear
- No **unnecessary** URL parameters
- Non-cached content items
- SQL query number & runtime
- Expandable by extensions
Admin Panel now in footer area
Settings & context
Page information

General

Page

<table>
<thead>
<tr>
<th>Key</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Page uid</td>
<td>62</td>
</tr>
<tr>
<td>Page type</td>
<td>0</td>
</tr>
</tbody>
</table>

Frontend User Group

<table>
<thead>
<tr>
<th>Key</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>frontenduser group setting</td>
<td>0, -1</td>
</tr>
</tbody>
</table>

Cache

<table>
<thead>
<tr>
<th>Key</th>
<th>Value</th>
</tr>
</thead>
</table>
PHP information

<table>
<thead>
<tr>
<th>Key</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHP_VERSION</td>
<td>&quot;7.2.6&quot;</td>
</tr>
<tr>
<td>PHP_OS</td>
<td>&quot;Darwin&quot;</td>
</tr>
<tr>
<td>PHP_RAPI</td>
<td>&quot;cgi-fcgi&quot;</td>
</tr>
<tr>
<td>Peak Memory Usage</td>
<td>14862136</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Key</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>TYPO3_COMPOSER_MODE</td>
<td>&quot;1&quot;</td>
</tr>
<tr>
<td>TYPO3_VERSION</td>
<td>&quot;9.5.0-deo&quot;</td>
</tr>
</tbody>
</table>
Logs & messages
### SQL query analysis

<table>
<thead>
<tr>
<th>SQL Query</th>
<th>Count</th>
<th>Total Time [ms]</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>SELECT 'content' FROM 'cf_cache_pages' WHERE ('identifier' = :dcValue1) AND ('expires' &gt;= :dcValue2)</code></td>
<td>2</td>
<td>1.24</td>
</tr>
<tr>
<td><code>SELECT * FROM 'pages' WHERE ('uid' = 62) AND ((('pages'.deleted = 0) AND ('pages'.t3ver_state &lt;= 0) AND ('pages'.hidden = 0)) AND...</code></td>
<td>1</td>
<td>0.89</td>
</tr>
<tr>
<td><code>SELECT 'uid', 't3n_parent', 'pid', 'slug' FROM 'pages' WHERE ('sys_language_uid' = :dcValue1) AND ('slug' IN (:dcValue2)) AND (('pages'....</code></td>
<td>1</td>
<td>0.72</td>
</tr>
<tr>
<td><code>SELECT 'content' FROM 'cf_cache_pagesection' WHERE ('identifier' = :dcValue1) AND ('expires' &gt;= :dcValue2)</code></td>
<td>1</td>
<td>0.54</td>
</tr>
<tr>
<td><code>SELECT 'content' FROM 'cf_cache_rootline' WHERE ('identifier' = :dcValue1) AND ('expires' &gt;= :dcValue2)</code></td>
<td>1</td>
<td>0.48</td>
</tr>
<tr>
<td><code>SELECT 'uid', 'hidden', 'starttime', 'endtime' FROM 'pages' WHERE ('uid' = :dcValue1) AND ('pid' &gt;= :dcValue2) AND ('pages'.deleted = ...</code></td>
<td>1</td>
<td>0.46</td>
</tr>
</tbody>
</table>
Search Engine Optimization

Now we can "SEO" you
Search Engine Optimization

- Page properties feature a new "SEO" tab, which allows BE users to configure SEO-related information, Open Graph data and much more.
Search Engine Optimization

- New Page Title API allows integrators and developers to control exactly how the page title gets displayed.
- TYPO3 can generate XML Sitemaps now, with the capability to render different sitemaps per site and language.
- Canonical links to pages are automatically added to prevent ranking penalties due to duplicate content for example.
- In multi-language TYPO3 sites, hreflang-tags are added automatically.
- SEO-related meta tags set in the page properties are now rendered in the frontend by default.
Search Engine Optimization: Meta Tag API

- New Meta Tag API has been introduced to manage and render meta tags in a simple and flexible way
- TYPO3 core features Open Graph
- Developers can register custom MetaTagManager in the MetaTagManagerRegistry
- Meta tags can be set by TypoScript and PHP
- Functions that are available include:
  - $metaTagManager->addProperty()
  - $metaTagManager->removeProperty()
  - $metaTagManager->removeAllProperties()
Scan Your Extensions
See at a glance which extensions need attention
Scan Your Extensions

- Find **breaking** changes and **deprecations**
- Also **independent** of TYPO3 core
  - [https://github.com/Tuurlijk/typo3scan](https://github.com/Tuurlijk/typo3scan)
  - [https://github.com/ohader/scanner](https://github.com/ohader/scanner)
- **TYPO3 v7 & v8** configurations provided by TYPO3 GmbH
Scanner for a single extension
Technical details directly available
Many more new (and exciting) features

but we can’t show you all in detail today ;-)
Many more new (and exciting) features

- **SEO & XML Sitemap** natively
- **Debug Mode** for forms
- **Symfony ExpressionLanguage**
  - Form framework **variants**
  - **TYPO**Script **conditions**
- **SVG Tree** (no more ExtJS)
- **System Maintainers**
Many more new (and exciting) features

- **Unsplitted** split buttons
- Extendable Restriction Containers
- **Mandatory** restrictions
- Run TYPO3 on **sqlite**
- MetaTag API
- Validation messages in forms
- Conditions for form fields
Many more new (and exciting) features

- Generic **environment** class
- Feature toggles
- EXT:redirects
- Privacy & security features
- Support for **bcrypt** and **argon2i**
- And lots more …
  - … 187 new features
  - … 1,382 bugfixes
  - … 1,592 other improvements
No frontend editing, ...yet
Why *doesn’t* the core team just fix [enter your wish here]?
Wouldn’t it be cool if TYPO3 was open source?
Contribute and meet the community

https://typo3.org/community/meet/
Not enough new stuff?

Check out our "What’s new" slides:
https://typo3.org/help/documentation/whats-new/
QUESTIONS?
Thank you!

TYPO3 v9 is faster, more user friendly, more mobile friendly, more cloud friendly, and more business friendly.

You're the one that I want

TYPO3 v9 LTS is here