

You want to join the TYPO3  
Community?

Do you have any Questions?  
**May we help you?**

It's easy! Just go to  
<http://typo3.org>



TYPO3 Association  
Sihlbruggstrasse 105  
6340 Baar  
Switzerland

Phone: +41 (0)41 511 00 35  
Fax: +41 (0)41 511 00 39  
E-Mail: [info@typo3.org](mailto:info@typo3.org)  
Web: <http://typo3.org/association>

**Start Your Engines**  
**TYPO3 v8.0**

# TYPO3 v8.0 – Start Your Engines

**The core team is proud to announce this first release as planned, even if TYPO3 CMS 7 LTS from November 2015 wasn't too long ago.**

While the team is actively supporting TYPO3 CMS 7 LTS with bug fixes to zap those gremlins that still survived the pressure from the adapted release cycles, we worked hard on pushing the system to the next era.

## Main Improvements



### **Performance improvement through PHP 7 support**

PHP 7.0 is the minimum requirement for TYPO3 v8. TYPO3 will support subsequent PHP 7 releases as they come out. This version raise gives a significant performance improvement to the overall system. Not only the backend editor will notice a more fluent interface, the new all-time record for a full cached page call in the frontend is below 7 milliseconds now, which is approximately 40% faster compared to running the very same website with PHP 5.5.



### **Added PHP library „Doctrine DBAL“ for database connections within TYPO3**

The PHP library Doctrine DBAL has been added via composer dependency to work as a powerful database abstraction layer with many features for database abstraction, schema introspection and schema management within TYPO3.



### **Use new standalone Fluid as composer dependency**

The Fluid rendering engine of TYPO3 CMS is replaced by the standalone capable Fluid which is now included as composer dependency. The old Fluid extension is converted to a so-called Fluid adapter which allows TYPO3 CMS to use standalone Fluid with the many new features this facilitates.



### **EXT:form - Directly load form wizard as inline wizard**

The wizard of EXT:form is loaded directly as inline wizard. You don't need to save and reload the newly created content elements anymore in order to be able to open the wizard. This is a huge usability improvement. Additionally there is no need to provide individual doc headers. Instead, the centralized doc headers of the module template API are used.



### **Recover pages recursively to top of rootline**

The recycler now supports the recursive recovery of deleted pages to the top of the rootline. This feature is available for admin users only due to internal permission restrictions.



### **Added support for PBKDF2 to saltedpasswords**

A new password hashing algorithm PBKDF2 has been added to the system extension saltedpasswords. PBKDF2 is designed to be computationally expensive to resist brute force password cracking.