TYPO3

dkd
design
kommunikation
development

ApacheCon NA 2010

Enterprise Search meets Enterprise CMS

Inspiring people to
share

Open Source Enterprise Search
meets
Open Source Enterprise CMS

Apache Solr and TYPO3

Who‘s that guy?

- M.Sc. in CS from University of Applied Sciences Darmstadt and University of Wisconsin Platteville
- Doing TYPO3 since version 3.6 beta (2002)
- Core Developer / Committer
- Release Manager TYPO3 4.2
- Current focus: integration of TYPO3 and Solr
- otherwise: snowboarding, mountain biking

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What is TYPO3

- Open Source Enterprise CMS
- Estimated 500.000 installation worldwide
- Over 4.500 public extensions
- Community driven development
- Conferences in Europe and North America
- 2x Google Summer of Code participant

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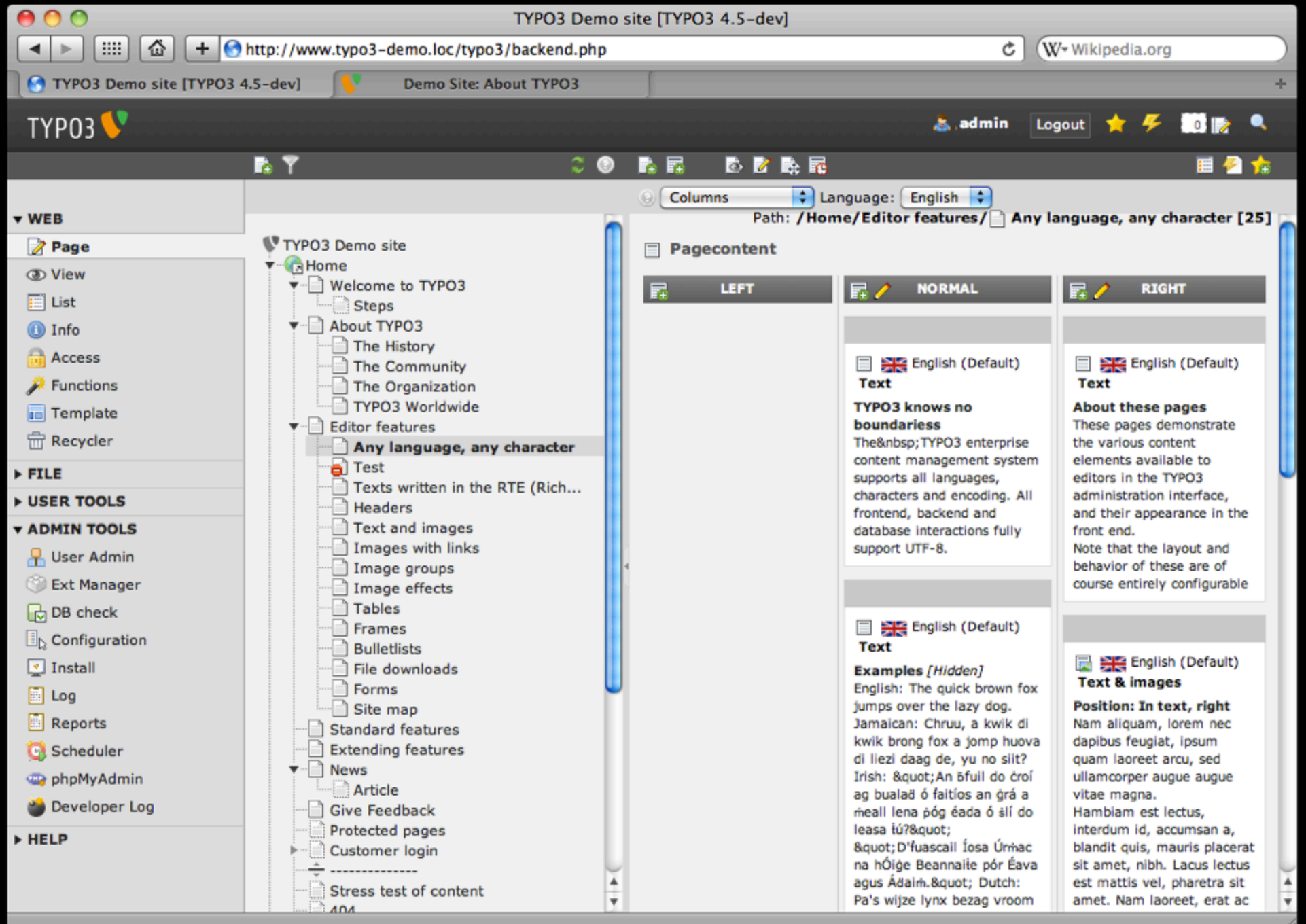
Core Features

- Page tree and content elements
- Stable, scalable, and extendable CMS Framework
- Multi: language, site, domain support
- Flexible templating system
- Complete user permission management
- Workflows and Versioning
- ...

TYPO3

References – t3blog.com

- UNESCO
- Lufthansa
- Cisco Webex
- Rackspace
- German Red Cross
- Porsche
- many more ...


TYPO3 Demo site [TYPO3 4.5-dev]
http://www.typo3-demo.loc/typo3/backend.php
Wikipedia.org
TYPO3 Demo site [TYPO3 4.5-dev]
Demo Site: About TYPO3
TYPO3
admin
Logout
Columns
Language: English
Path: /Home/Editor features/ Any language, any character [25]
WEB
Page
View
List
Info
Access
Functions
Template
Recycler
FILE
USER TOOLS
ADMIN TOOLS
User Admin
Ext Manager
DB check
Configuration
Install
Log
Reports
Scheduler
phpMyAdmin
Developer Log
HELP
TYPO3 Demo site
Home
Welcome to TYPO3
Steps
About TYPO3
The History
The Community
The Organization
TYPO3 Worldwide
Editor features
Any language, any character
Test
Texts written in the RTE (Rich...
Headers
Text and images
Images with links
Image groups
Image effects
Tables
Frames
Bulletlists
File downloads
Forms
Site map
Standard features
Extending features
News
Article
Give Feedback
Protected pages
Customer login
Stress test of content
Pagecontent
LEFT
NORMAL
RIGHT
English (Default)
Text
TYPO3 knows no boundaries
The TYPO3 enterprise content management system supports all languages, characters and encoding. All frontend, backend and database interactions fully support UTF-8.
English (Default)
Text
About these pages
These pages demonstrate the various content elements available to editors in the TYPO3 administration interface, and their appearance in the front end.
Note that the layout and behavior of these are of course entirely configurable
English (Default)
Text
Examples [Hidden]
English: The quick brown fox jumps over the lazy dog. Jamaican: Chruu, a kwik di kwik brong fox a jomp huova di liezi daag de, yu no siit? Irish: "An bfuil do croí ag bualadh ó faitíos an gráa a mheall lena póg éada ó slí do leasa iú?" "D'fuascail Íosa Úrmhac na hÓighe Beannaithe pór Éava agus Ádhaimh." Dutch: Pa's wijze lynx bezag vroom
English (Default)
Text & images
Position: In text, right
Nam aliquam, lorem nec dapibus feugiat, ipsum quam laoreet arcu, sed ullamcorper augue augue vitae magna.
Hambiam est lectus, interdum id, accumsan a, blandit quis, mauris placerat sit amet, nibh. Lacus lectus est mattis vel, pharetra sit amet. Nam laoreet, erat ac

TYPO3 is a great CMS

but ... its search needed improvements

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Apache Solr for TYPO3

www.typo3-solr.com

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Why Apache Solr

- Built-in search is slow, lacks features
- Implementations of Sphinx, mnoGoSearch, htdig, ...
- Then we found Apache Solr
- ... and we freaked out!

History

- Prototype in summer 2008
- Kick-off February 2009
- First goal „Acts like Indexed Search“
- Organized funding
- September 2009 release of v1.0

Components

- Indexing
- Searching
- Rendering of Results
- Analysis and Statistics
- Administration

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Challenges

- Rendering of pages in TYPO3
- Respecting Access Restrictions for content
- Indexing of files
- Easy setup for Non-Java people
- Integrating / Accessing Solr

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Solutions

- Record Monitor and Indexing Queue
- Custom Solr Query Parser plugin
- Integration of Apache Tika
- Fully automated bash install script
- SolrPhpClient and JSON Response Writer

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Features

- Faccetted Search
- File Indexing
- Multi-language handling
- Spellchecking / Did you mean
- Field Boosting
- Autocomplete / Suggestions

Upcoming

- More like this
- Content Elevation
- Spatial Search
- Administration of Stopwords, Synonyms, Protected Words

Be-Lufthansa.com

http://www.be-lufthansa.com/#/de/suche/

Wikipedia.org

Be-Lufthansa.com

Home Log-In Jobs Über uns Lounge Einstieg für ... Services Suche English

Such-Ergebnisse

Suche nach "stewardess"

Anzeige der Ergebnisse **1 - 10** von Insgesamt **28**

1 2 3 weiter

Suchergebnisse Jobangebote

1 **Flugbegleiter/-in regional, China** / 27.10.2010 Gesellschaft: Deutsche Lufthansa AG Ort: Munich Einstieg/Level: Direkteinstieg
Funktion/Berufsfeld: Service / Kabinenpersonal

2 **Flugbegleiter/-in, Modell A, Frankfurt** / 23.10.2010 Gesellschaft: Deutsche Lufthansa AG Ort: Frankfurt Einstieg/Level: Direkteinstieg
Funktion/Berufsfeld: Service / Kabinenpersonal

3 **Flugbegleiter/-in** / 22.10.2010 Gesellschaft: Lufthansa CityLine GmbH Ort: Frankfurt und München Einstieg/Level: Direkteinstieg
Funktion/Berufsfeld: Service / Kabinenpersonal

4 **Flugbegleiter/-in, Modell A, München** / 20.09.2010 Gesellschaft: Deutsche Lufthansa AG Ort: München Einstieg/Level: Direkteinstieg
Funktion/Berufsfeld: Service / Kabinenpersonal

5 **Flight Attendant (m/f) Italian** / 09.09.2010 Gesellschaft: Lufthansa Italia S.p.A. Ort: Milan - Malpensa Einstieg/Level: Direkteinstieg
Funktion/Berufsfeld: Service / Kabinenpersonal

Suchergebnisse Information

6 Flugbegl...

Ergebnisse:

- [x] Jobangebote
- [x] Information

Lufthansa

Questions & Answers

Thanks for Listening!

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