

# TYPO3

# Best Practice Workshop

## Avoiding Trial and Error

Jochen Weiland

TYPO3 Conference  
Dallas, TX  
April 2009

jweiland.net

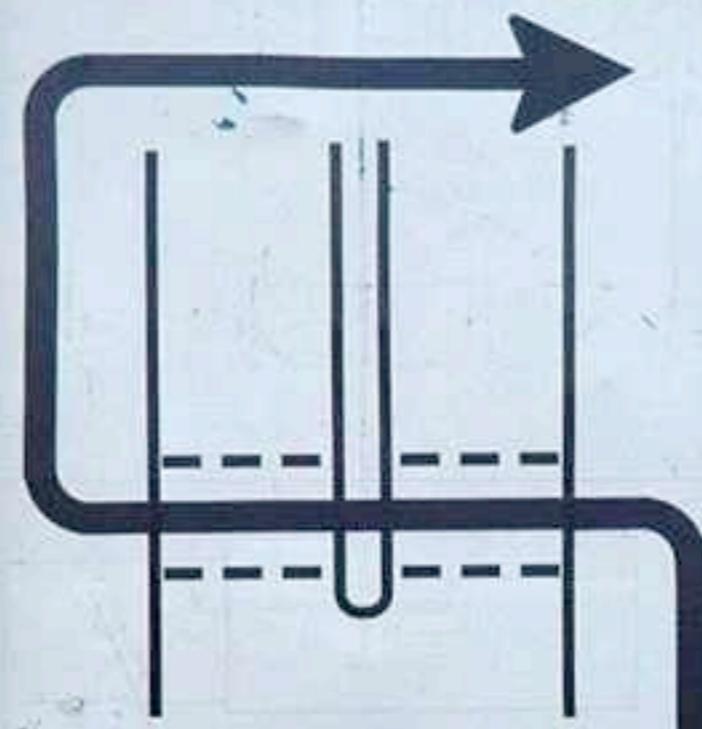
Documentation available at

[jweiland.net/t3con09.html](http://jweiland.net/t3con09.html)



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Geradeaus



OBST  
SAEN









# TYPO3

# Development System

- Local vs. Remote
- Eclipse for Extension Development

# TYPO3 Hosting

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\$5/mo.

A photograph of three identical residential apartment buildings. Each building is a light grey concrete structure with multiple floors and numerous windows. Some windows have closed blinds, while others have open shades or curtains. Balconies are visible on several floors. Laundry is hanging from some of the balconies. The buildings are set against a clear blue sky.

\$10/mo.

**\$20-50/mo.**





\$100-500/mo.

# Installation

# Directory Structure

```
|- projekt1
  |- fileadmin
  |   |- _temp_
  |   |- templates
  |   |- user_upload
  |- typo3conf
    |- ext
      |- automaketemplate
      |- css_styled_content2
      |- dam
      |- dam_catedit
      |- dam_index
      |- dam_info
      |- kickstarter
      |- lorem_ipsum
      |- phpmyadmin
      |- r1mp_tmplselector
      |- static_info_tables
      |- tt_news
    |- I10n
    |- typo3temp
    |- uploads
      |- media
      |- pics
```

# Install Tool Settings

- ["GFX"]["gdlib\_2"] = '1';
- ["GFX"]["TTFdpi"] = '96'
- ["BE"]["compressionLevel"] = '3';
- ["FE"]["compressionLevel"] = '3';

- ["GFX"]["noIconProc"] = '0';
- ['SYS']['forceReturnPath'] = '1'
- ['BE']['forceCharset'] = 'utf-8'
- ['setDBinit'] = '  
SET NAMES utf8;  
SET CHARACTER SET utf8;  
SET SESSION character\_set\_server=utf8; '
- ['SYS']['UTF8filesystem'] = '1'

# TSconfig for Pages and BE Users

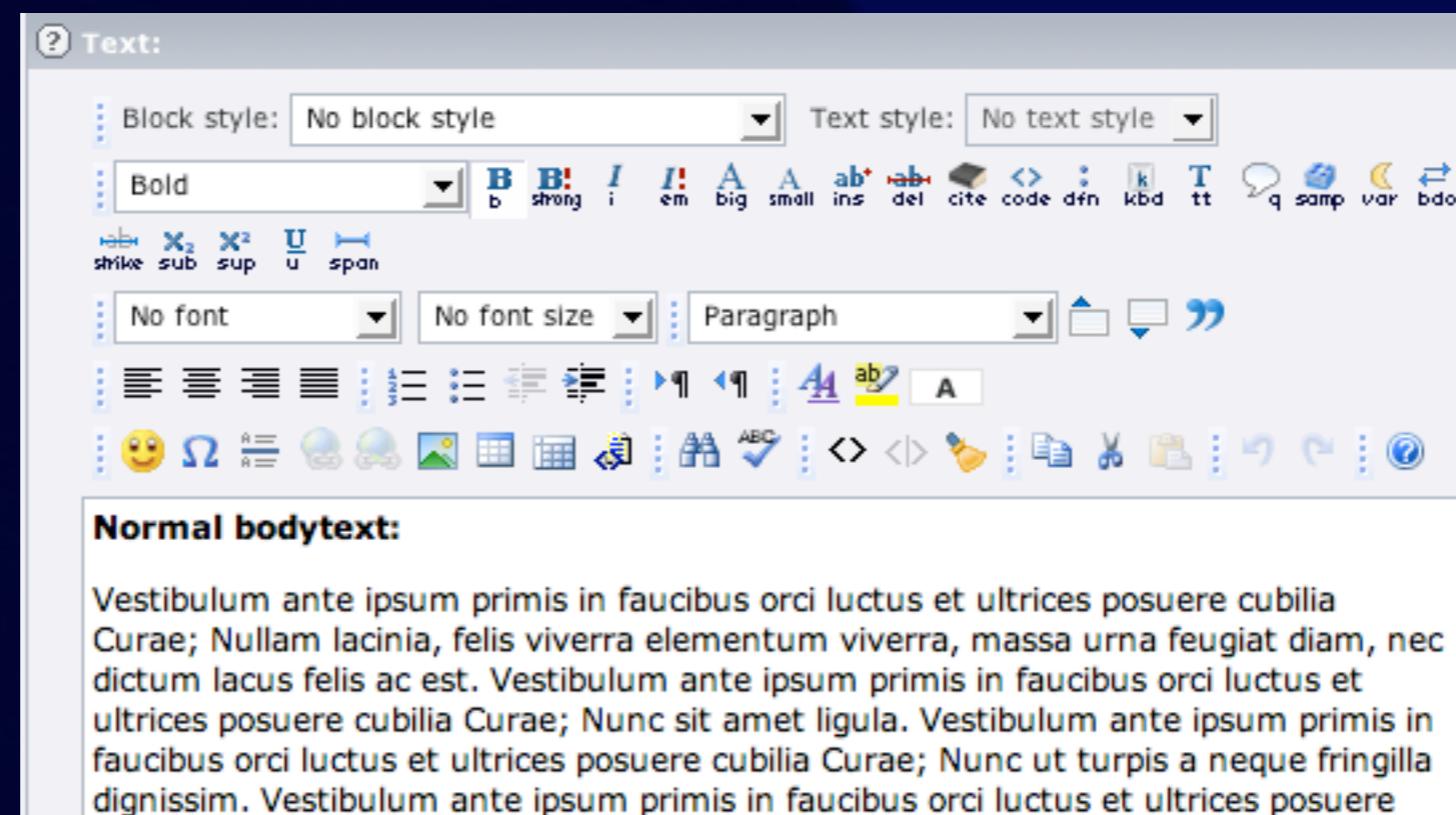
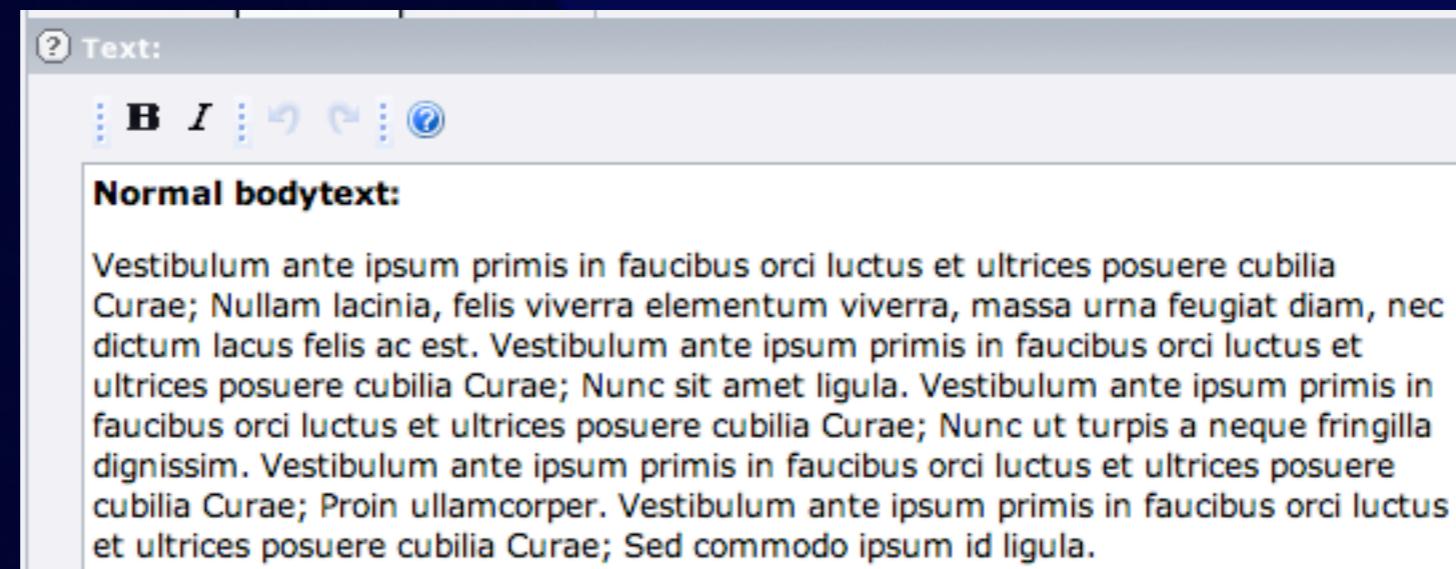
# Page TSconfig

- mod
- RTE
- TCMAIN
- TCFORM

# User TSconfig

- admPanel
- options
- setup.default
- setup.override
- TCAdefaults

# Rich Text Editor



# Paragraph Styles

Text:  
② Geben Sie hier den wesentlichen Inhalt ein.

Absatz: <Überschrift blau>

**B** *I*

Text:

<Sprachwahl Eberle>

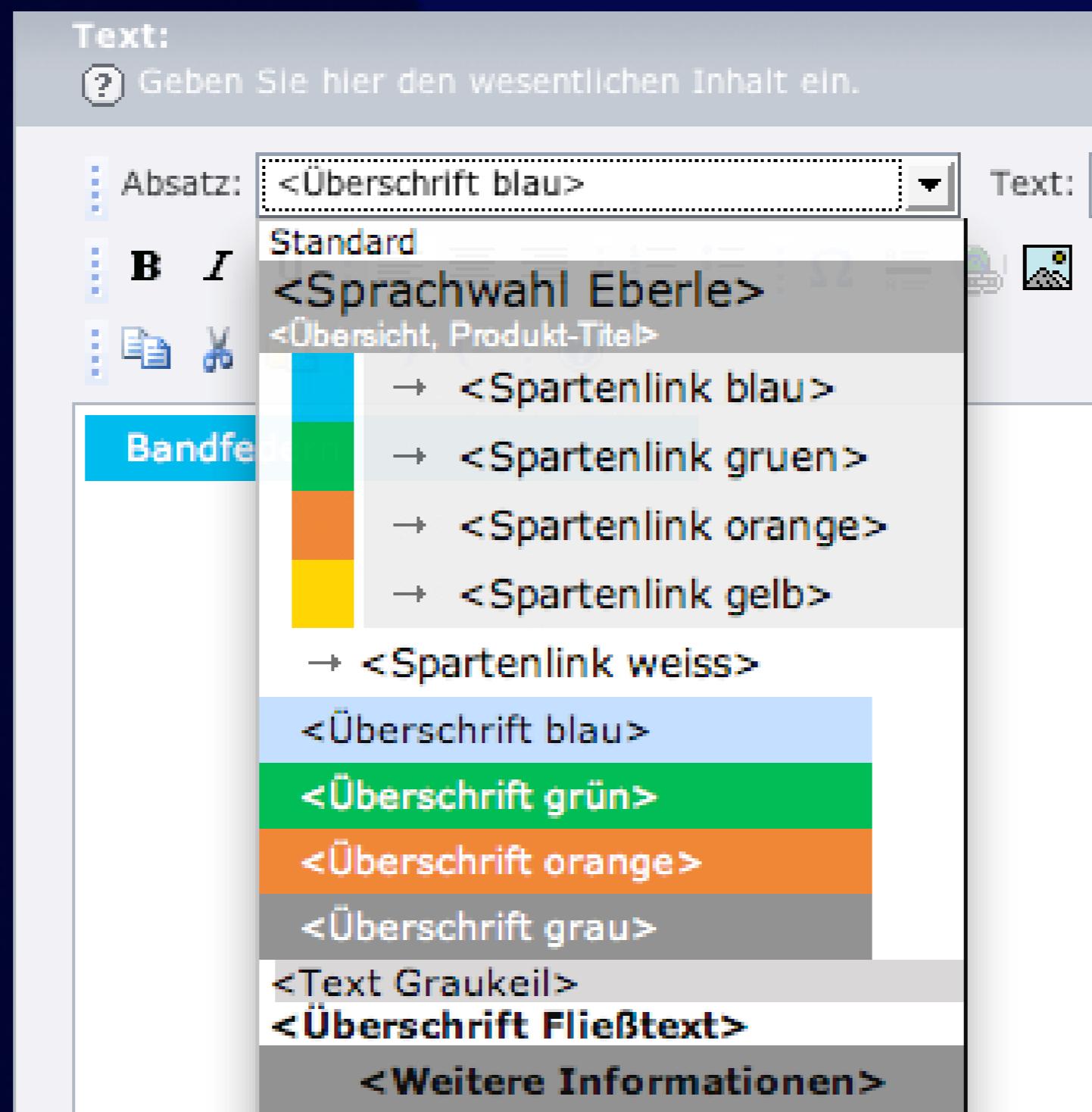
<Übersicht, Produkt-Titel>

→ <Spartenlink blau>  
→ <Spartenlink gruen>  
→ <Spartenlink orange>  
→ <Spartenlink gelb>  
→ <Spartenlink weiss>

<Überschrift blau>  
<Überschrift grün>  
<Überschrift orange>  
<Überschrift grau>

<Text Graukeil>  
<Überschrift Fließtext>  
<Weitere Informationen>

Bandfe



# Modular TypoScript

## Sysfolder with Templates

Template (11)

**Template title:**

- [linkenavigation](#)
- [waagerechtes menu](#)
- [Allgemeine Einstellungen \(R\)](#)
- [seltenlayout](#)
- [#100: Standard Configuration \(...](#)
- [#200: Page Layout \(2.0\)](#)
- [#201: CSS files](#)
- [#202: header + logo](#)
- [#203: horizontal menu](#)
- [#207: forms](#)
- [#506: browserTitle](#)

## MainTemplate

**Include basis template:**

- [#100: Standard Configuration \(1.0\)](#)
- [#200: Page Layout \(2.0\)](#)
- [#201: CSS files](#)
- [#202: header + logo](#)
- [#203: horizontal menu](#)
- [#506: browserTitle](#)
- [#207: forms](#)

**Template**

# Extension Manager

Settings ▾

## Extension Manager

### REPOSITORY SETTINGS

?

Security Settings

Enable extensions without review (basic security check):

**Notice:** Make sure you know what consequences enabling this checkbox might have.

<input type="radio"/> NL Mirror 1	ter.tue.nl/	NLD	 TER hosted by TU/e
<input type="radio"/> TYPO3.org Main Repository	typo3.org/fileadmin/ter/	DEU	 typo3.org hosted by punkt.de

Import extensions

## Extension Manager

Group by: Category Show: Details

Show obsolete:

### EXTENSIONS IN TYPO3 EXTENSION REPOSITORY



List or look up **all** extensions

Look up

The extensions list has been updated and now contains 3455 extension entries.

#### Found a security problem? Please get in touch with us!

If you think you have found a security issue in TYPO3 or an extension, please contact the TYPO3 security team! Thank you!

#### PRIVACY NOTICE:

When you interact with the online repository, server information may be sent and stored in the repository for statistics.

### UPLOAD EXTENSION FILE DIRECTLY (.T3X):

Upload extension file (.t3x):

Durchsuchen...

... to location:

Local (.../typo3conf/ext/)

Overwrite any existing extension!

[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
	phpMyAdmin	phpmyadmin	3.3.0	4.0.1	Local	<p>3.4.0 Security update. Please update and check security bulletin: TYPO3-20080924-1 for details.</p> <p>4.0.0 Updated pMA to the latest stable release (3.0.0). Now requires PHP 5.2 and TYPO3 4.2. Old versions (3.x) may be obtained at <a href="http://www.mehrwert.de/go/t3x">http://www.mehrwert.de/go/t3x</a></p> <p>4.0.1 Applied patch for redirect bug 8884. Attention: The 4.x release requires PHP 5.2, TYPO3 4.2 and MySQL 5. The 3.x branch is furthermore supported and updated: <a href="http://www.mehrwert.de/go/t3x">http://www.mehrwert.de/go/t3x</a></p>

## Extension Manager

### SELECT COMMAND

2.5.2

[Load details](#) or

1.4.1

1.5.3

1.6.3

1.7.3

2.0.6

2.1.2

2.2.7

2.2.21

2.2.23

2.2.24

2.3.0

2.3.1

2.3.2

2.3.4

2.3.5

2.3.6

2.4.0

2.5.0

2.5.1

2.5.2

Internal?

[Load details](#) to: Local: typo3conf/ext/tt\_news/ (OVERWRITE)

### EXTENSION DETAILS

(tt\_news, 2.5.2)

#### Information:

News

Website news with front page teasers and article handling inside.

Rupert Germann <[rupl@gmx.li](mailto:rupl@gmx.li)>, [www.rgData.de](http://www.rgData.de)

2.5.2

Frontend Plugins



Beta



?

?

?

?

# Website Templates

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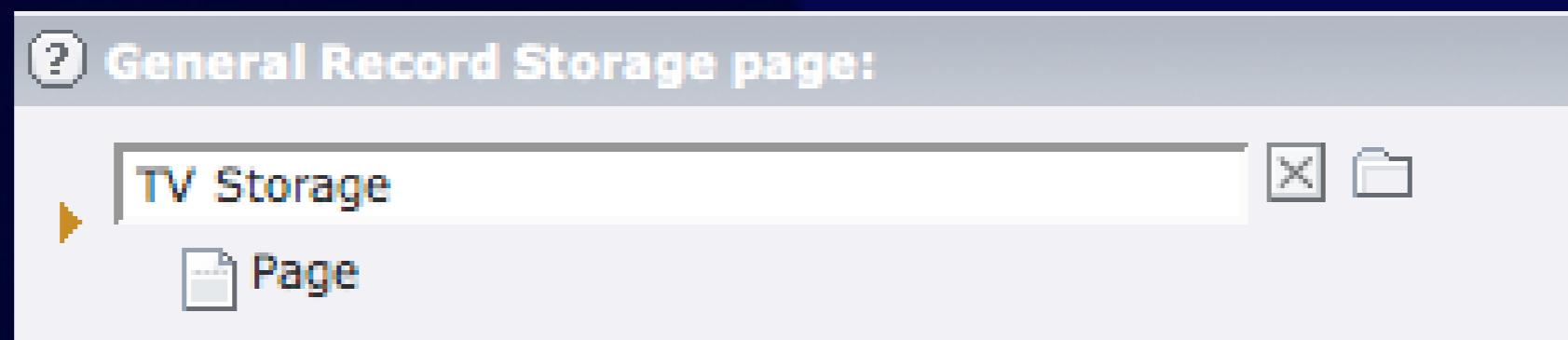
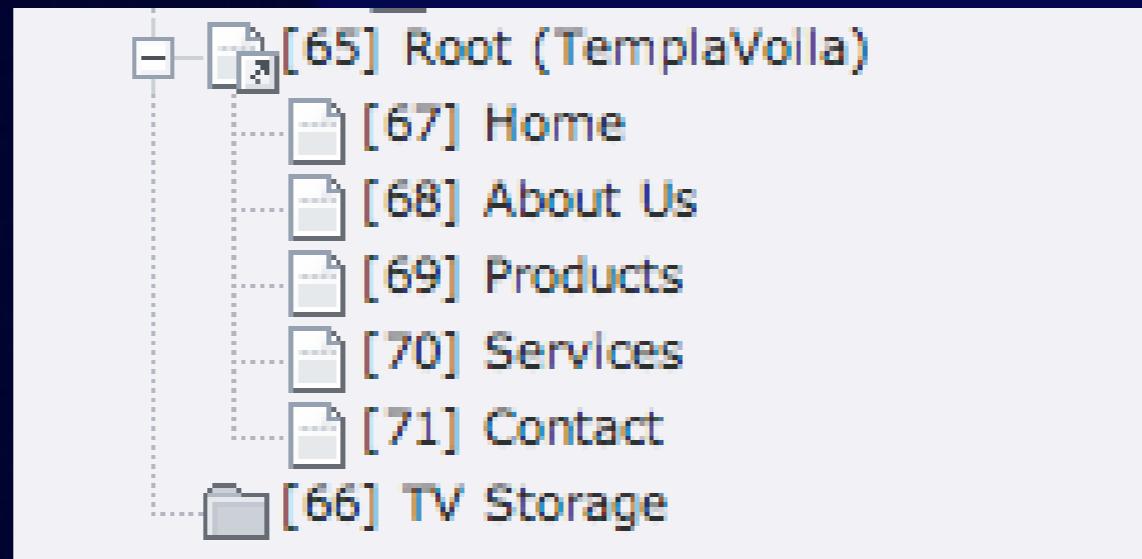
# Modern Template Building

- Template-Selector
- Automaketemplate

# Templavoila

## Requirements

- Extensions:  
templavoila, static\_info\_tables, div, lib
- HTML template that validates
- System folder to hold TV data structures



```
page = PAGE
page.typeNum = 0
page.10 = USER
page.10.userFunc = tx_templavoila_pi1->main_page
```

Data Element: ? Field: ? Sample Data: ?      HTML-path: ? Action: ? Rules: ? Edit: ?

ROOT      ROOT      [No sample data]      Map      (ALL)     

[Enter new fieldname]      Add ?

Show XML      Clear all      Preview      Save as      Load      Refresh

?

Mapping Window:

Mode: Exploded Visual ?

Preview of Data Structure sample data merged into the mapped tags: ?

Your Company Name  
Evergreen Terrace 742  
Kansas Missouri  
Phone: 432-653-3121  
sales@thetiecompany.com

Home | Sitemap | Contact Us

Home | About Us | Products | Our Services | Contact Us

Submenu 1 | Submenu 2 | Submenu 3 | Submenu 4 | Submenu 5 | Submenu 6

# Welcome to RedTie!

**News**

**September 27, 2006**  
Curabitur arcu tellus, suscipit in, aliquam eget, ultricies id, sapien. Nam est.  
[More...](#)

**September 27, 2006**  
Curabitur arcu tellus, suscipit in, aliquam eget, ultricies id, sapien. Nam est.  
[More...](#)

Hi! This is my third design for OSWD, with CSS and XHTML 1.0 Transitional Validation. You can do whatever you want with this template, just keep the Hosting Colombia link at the bottom. Enjoy!

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Curabitur id est tincidunt nisl pellentesque tincidunt. Donec in mauris. Mauris neque magna, consectetuer id, malesuada vitae, tincidunt sit amet, mi. Aliquam lacinia. Suspendisse potenti. Proin justo lorem, rutrum ac, facilisis in, malesuada sed, ligula. Mauris lobortis lacus at nibh. Aenean vitae odio vel odio placerat hendrerit. Suspendisse lacus lacus, tempor id, pharetra eget, ornare sit amet, pede. Sed aliquet, justo ac elementum pretium, arcu leo placerat est, a luctus purus diam eget arcu. Nam augue diam, mollis a, scelerisque eget, aliquet condimentum, pede. Vestibulum tristique lectus sed augue.

Aenean ut mauris luctus mauris interdum convallis. Nunc vestibulum sodales nulla. Nulla vitae massa.

The screenshot shows a website design interface with the following elements:

- Header:** A large red diamond-shaped graphic containing the text "RedTie".
- Content Area:** Contains contact information:
  - Your Company Name**
  - Evergreen Terrace 742
  - Kansas Missouri
  - Phone: 432-653-3121
  - sales@thetiecompany.com
- Navigation:** Includes links for Home, Sitemap, and Contact Us.
- Submenu:** A dropdown menu for "About Us" with options: Submenu 1, Submenu 2, Submenu 3, Submenu 4, Submenu 5, and Submenu 6.
- Welcome Message:** A large red text area with the message "Welcome to RedTie!".
- News Section:** A box containing the word "News".
- Text Box:** A box containing the text "Hi! This is my third design for OSWD, with CSS and XHTML 1.0 Transitional Validation. You".

#### Building Data Structure:



Data Element: [?](#) Field: [?](#) Mapping instructions: [?](#)    HTML-path: [?](#) Action: [?](#) Rules: [?](#) Edit: [?](#)

ROOT

ROOT

Select the HTML element on the page which you want to be the overall container element for the template.

`<body>` INNER

Re-Map

Ch.Mode

(ALL)



[Enter new fieldname] Add [?](#)

Show XML Clear all Preview Save as Load Refresh

## Mapping Window:

Mode: HTML Source   (?

Mapping DS element: EL Main Navigation

Limiting to tags: DIV

Instructions:

```
<a href="#" onclick="return false;">
    Contact Us
</a>
</div>
</div>
<div>v id="menu">
    <div>v align="right" class="smallwhitetext" style="padding:9px;">
        <a href="#" onclick="return false;">
            Home
        </a>
        |
        <a href="#" onclick="return false;">
            About Us
        </a>
```

# Comparison

Pros and cons of both methods

# Digital Asset Management (DAM)

# Services for DAM

Services						
	Auth: Automatic BE login by IP	<a href="#">cc_iplogin_be</a>	1.0.1			1321/716
	Auth: Automatic FE login by IP	<a href="#">cc_iplogin_fe</a>	1.1.1			1587/1046
	Auth: IP Authentication	<a href="#">cc_ipauth</a>	1.1.1			2016/1193
	Auth: Magic Password	<a href="#">cc_magicpw</a>	1.0.1			556/381
	metaExtract: EXIF&IPTC	<a href="#">cc_metaexif</a>	1.0.3	1.0.3	Local	1906/539
	metaExtract: PDF	<a href="#">cc_metaexec</a>	1.1.0	1.1.0	Local	1669/586
	metaExtract: XMP	<a href="#">cc_meta_xmp</a>	1.0.1	1.0.1	Local	271/242
	textExtract: pdf, doc, xls	<a href="#">cc_txtextexec</a>	1.0.0	1.0.0	Local	1958/745
	textExtract: txt, html, ...	<a href="#">cc_txtextphp</a>	1.0.2	1.0.2	Local	1587/436
	textLang: Lang guess	<a href="#">cc_langguess</a>	1.0.0	1.0.0	Local	1069/399
	textLang: TextCat	<a href="#">cc_textcat</a>	2.0.0	2.0.0	Local	325/325

List
Upload
Indexing

Services Info ▾

---

AVAILABLE SERVICES FOR INDEXING:

Indexing needs the help of some services to extract meta data or read text content from the files.

Used service types are:

- metaExtract** - get meta data from files.
- textExtract** - get text content out of files.
- textLang** - detect the language of text content.

Services:	Types:	OS:	External:	Avail.:
<b>metaExtract (Service Type)</b> Read meta data from files.				
<b>IPTC extraction</b> [tx_ccmetaexif_sv1]  Get IPTC data from files by PHP function "iptcparse".	image:iptc			✓
<b>EXIF extraction</b> [tx_ccmetaexif_sv2]  Extract EXIF data from Images by PHP function "exif_read_data".	image:exif			✓
<b>EXIF extraction</b> [tx_ccmetaexif_sv3]  Extract EXIF data from Images using external program "exiftags".	image:exif	exiftags		✓
<b>PDF meta extraction</b> [tx_ccmetaexec_sv2]  Extract meta data from PDF files using external program "pdfinfo".	pdf	pdfinfo		✓
<b>XMP meta extraction</b> [tx_ccmetaxmp_sv1]	jpg			✓

Services:	Types:	OS:	External:	Avail.:
<b>textExtract (Service Type)</b> Extract pure text out of files like doc, pdf, rtf, ...				
<b>Text extraction for pdf</b> [tx_cctextexec_sv1]  This service depends on pdftotext	pdf	pdftotext		✓
<b>Text extraction for Word documents (doc)</b> [tx_cctextexec_sv2a]	doc, dot	catdoc		✓

# Element Browser

Media      Upload

3 records found. Show: 20

Folder Tree: gif jpg jpeg tif bmp pcx tga png pdf ai

File	Preview	+	Info
fileadmin/			File name: logo.gif File size: 1.2 Kb Metrics: 118x50 px
Categories			
Media types			
Status			
Indexing date			

Selection

Search

Search String: logo

Search

Options



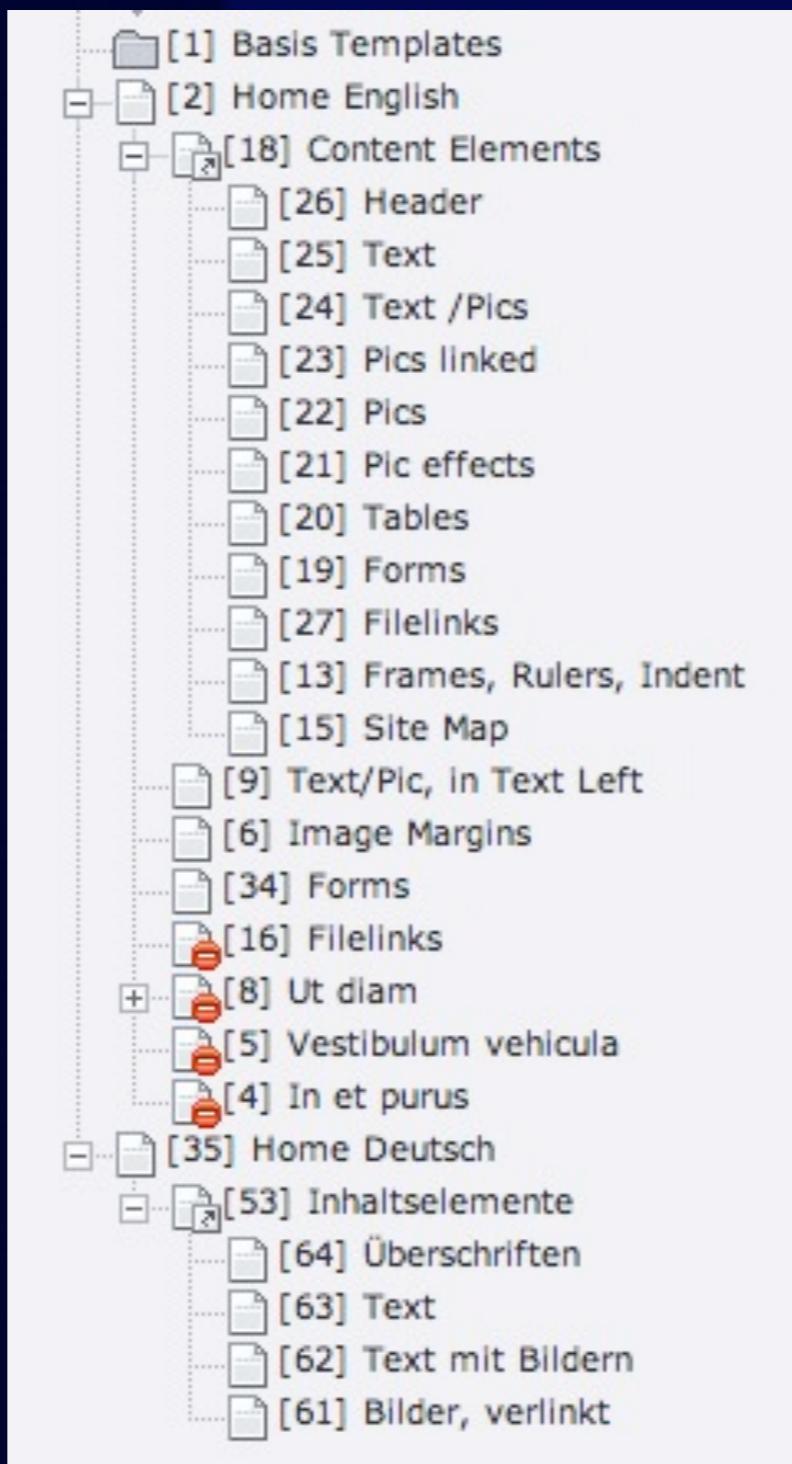
# TypoScript Standard Configuration

defined in the TLO ,config'

# Multilanguage

- One-Tree vs. multiple trees
- language selector
- pitfalls (turkish)
- language fallback
- Translation-Workflow

# Multiple Languages



# Website Language Records

 Website Language [2] - Espanol

 **Disable:**

 **Language:** Espanol

**Select Official Language (ISO code):** Spanish

**Select flag icon:** es.gif



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② Languages

Pagecontent

Edit page properties Move page New page

② Make new translation of this page:

Espanol  
Francalce

LEFT

NORMAL

Default Text

Index: Yes

Header 1. Level

Edit in Rich Text Editor

Default

Espanol

LEFT

NORMAL

Create page content

Copy default content elements [20]

Default Text

Index: Yes

Header 1. Level

Edit in Rich Text Editor

# Debugging

- Object Browser
- Admin Panel
- Template Analyzer
- User Settings
- Info->Page TSconfig
- DB Check

# Further Extensions

- indexed\_search
- browser page title
- tt\_news
- google sitemap
- realurl

# tt\_news

can be used for many other things, too...



Trident Components Group

Getting to the future first

Deutsch Site Map Imprint

- [Home](#)
- [Company](#)
- [Guiding Principle](#)
- [Products](#)
- [Expertise & services](#)
- [Quality & Ecology](#)
- [References](#)
- [Careers](#)
- [TCG on the move](#)
- [Contact](#)

## Gesucht: Fach- & Führungskräfte

### TCG Jobs

--Choose Category:--

--Choose Country:--

**Projektleiter/in Schwerpunkt Gusstechnologie** 01. Sep 2008

Zur Verstärkung unseres Teams suchen wir zum nächstmöglichen Zeitpunkt eine/n Projektleiter/in Schwerpunkt Gusstechnologie

>>>

**Projektleiter/in Schwerpunkt Bearbeitung und Montage** 01. Sep 2008

Zur Verstärkung unseres Teams suchen wir zum nächstmöglichen Zeitpunkt eine/n Projektleiter/in, Schwerpunkt Bearbeitung und Montage.

>>>

**Werkzeugmacher/in** 01. Sep 2008

Zur Verstärkung unseres Teams suchen wir zum nächstmöglichen Zeitpunkt einen Werkzeugmacher/in.

>>>

Displaying results 1 to 3 out of 5

1 | 2 | more ►



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Rhein-Neckar

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### Rezeptideen

**Wählen Sie hier Ihr Wunschrezept aus den Bereichen:**

- [Getränke](#)
- [Desserts](#)
- [Saucen/Dips](#)
- [Hauptgerichte](#)
- [Suppen/Vorspeisen](#)

Oder suchen Sie nach einem Begriff (wie zum Beispiel einer Zutat)?

► [Suchen](#)

**Wählen Sie hier Ihr Rezept aus:**

- [Gurken-Eier-Dip](#)
- [Spaghetti Carbonara](#)
- [Fusilli nach Feinschmeckerart](#)
- [Geschmortes Hähnchen mit Pfifferlingen](#)
- [Cremige Kürbissuppe](#)

famila - Alles für Ihre Rezeptideen.

Anzeige von **1 bis 5 von 94**

[1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [vor >](#)

**famila**  
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## FERIEN IM ENGADIN

Suche



> Hotels mit: | 5\* Qualität

Home

Hotels mit:

- [5\\* Qualität](#)
- [4\\* Qualität](#)
- [3\\* Qualität](#)
- [\\_ \\* Qualität](#)

Pauschalangebote

Hotel & Gastro Jobs

Engadin Bildergalerien

St. Moritz Engadin

### Badrutt's Palace Hotel \*\*\*\*\*

5\* Superior: Das legendäre Luxushotel, ein Wahrzeichen von St. Moritz! Im Sommer wie im Winter eine Ferien Oase mit allen Unterhaltungs und Sportmöglichkeiten.



#### Leistungen:

Radio in allen Zimmern, Telefon in allen Zimmern, TV in allen Zimmern, Minibar in allen Zimmern, Zimmer mit WC, Natureisbahn, Tennisplätze, Schwimmbad, Hallenbad, Sauna, Gymnastik/Fitnessraum, Wellness-Anlage, Kuranwendungen, Coiffeur im Hotel, Kinderbetreuung, Speziell geeignet für Familien, Besonders ruhige Zimmer, Nichtraucherzimmer, Zentrale Lage, Besonders ruhige Lage, Garten/Parkanlage, Historisches Gebäude, Lift, Öffentliches Restaurant, Terrassen-/Gartenrestaurant, Nichtrauchertische, Grillrestaurant, Snackrestaurant, Aussichtsrestaurant, Schonkost/Diät, Dancing, Night-Club, Discothek, Bar, Hoteleigene Garage, Betriebseigene Parkplätze, Haustiere erlaubt, Saal, Sitzungszimmer, Reservation durch Reisebüros möglich, Wanderer, Sonnenbank, Spielzimmer, Nähe Bahnhof, Nähe Bushaltestelle, Kinderspielplatz, Mitglied SHV

#### Adresse:

Via Serlas 27  
7500 St. Moritz

[reservations \(at\) badruttpalace.com](mailto:reservations(at)badruttpalace.com)  
[www.badruttpalace.com](http://www.badruttpalace.com)

Plugin: News

Plugin Options:

General Settings    Template    Category Settings    Other Settings

What to display:

Selected: Items:

LIST

LIST  
LATEST  
SINGLE  
AMENU  
SEARCH  
CATMENU

"Order by" this field (LIST & LATEST):

Randomize Order

Ascending or Descending (LIST & LATEST):

Category mode:

Show items with selected categories (OR)

Category selection

Selected: Items:

Bergfrühling  
Sommer  
Goldener Herbst

Sommer  
Goldener Herbst  
Winterstart  
Weisser Frühling  
Winter  
Aktivitäten  
Hotel  
Hotelsterne  
5stern  
4stern

Use subcategories

Defined by TypoScript

# Tools

- calipers
- winscp
- putty
- Firefox Firebug
- Firefox Developer Toolbar

# Useful links

- [positioniseverything.com](http://positioniseverything.com)
- [cssplay.co.uk](http://cssplay.co.uk)
- [smashingmagazine.com](http://smashingmagazine.com)

# Questions ?

- Download documentation at

[jweiland.net/t3con09.html](http://jweiland.net/t3con09.html)