

# **TYPO3: Configuration of RealURL**

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# Chapter 0: Introduction

## 0.1 Preface

*RealURL* is an TYPO3 extension that generates speaking names for the page URLs created by TYPO3. With this document, you will be able to let replace cryptic default attributes, such as <http://www.mysite.com/index.php?id=1&L=1> by names like <http://www.mysite.com/de/home>.

The idea for this project originates from the German training DVD

**Einstieg in TYPO3 4.0**

**Von den Grundlagen bis zur professionellen Website**

by **Thomas Kötter**

**ISBN 3-89842-856-7**

This DVD is very good and is recommended, it is suitable for beginners as well as for advanced usage of TYPO3. A data file of the DVD on the subject *RealURL* is available in the internet at

<http://www.galileocomputing.de/download/dateien/1118/realurl.zip>

This file can also be used by English speaking people with small changes. The default language and the foreign language must just be exchanged in the configuration files.

A further internet site that deals with the configuration of *RealURL* is

<http://www.cross-content.com/typo3-tutorial/realurl-funktioniert.html>

It is written in German, but the source code is independent of the language.

The source code of both sites can also be learned from the manual of the *RealURL* extension. It is found at [typo3.org](http://typo3.org) at *Documentation – Extension Manuals – RealURL (realurl)*.

## 0.2: License

This document belongs to the TYPO3 project **RealURL**. The actual version is **1.1** of 29 August 2007. The author is **Bernd Warken** at [netcos AG](http://netcos.com).

The document is stored in the OpenOffice file format *.sxw* of version 1 and in the HTML format *.html*.

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# Chapter 1: The RealURL Extension

## 1.1 Installation

*RealURL* is an extension of TYPO3. Before it can be used it needs to be downloaded first. This is done by the *Ext Manager* within the TYPO3 backend. There select the menu point *Import extensions*. Eventually some more extensions must be installed as well. If the installation guide is followed this is done automatically. Just take care that none of the arising windows is closed directly, but only by clicks on the suitable fields.

## 1.2 Template Configuration

In order that *RealURL* is able to work, it needs to be configured in the *TypoScript* template. For that, three command of the **config** area are necessary:

```
config {
    simulateStaticDocuments = 0
    baseURL = http://mysite.com
    tx_realurl_enable = 1
}
```

The command **config.simulateStaticDocuments = 0** deactivates a former version of *RealURL*, which only worked very limited. When activated a malfunction would arise.

The command **config.baseURL** makes not only sense in *RealURL*. It defines the URL of the website under which TYPO3 or the domain runs. It points to the directory containing the file **index.php**. For a local development environment the command could be

```
config.baseURL = http://localhost/typo3/entwicklung
```

as well.

For each domain, a suitable **baseURL** variable should be set on the proper template pages.

The command **config.tx\_realurl\_enable** finally activates the usage of *RealURL* if its value is set to **1**. The value **0** deactivates *RealURL*.

## 1.3 Configuration of the Web Server

Here we deal only with the web server *Apache2*. To use *RealURL*, the configuration of the *Rewrite* engine is necessary. For that, the *Rewrite* module must be installed.

Next the *Rewrite* engine must be configured for its TYPO3 installation. This requires that a file **.htaccess** must be configured in the root directory of the TYPO3 installation. With actual TYPO3 versions, there is already a file **\_htaccess** in this directory. This can just be renamed into **.htaccess**. This file is relatively large and contains already many preinstallations. By the good documentation within this file, it is easy to suit this file to the actual system.

The line

```
RewriteEngine On
```

Must be activated in any case.

If only one domain is used in the TYPO3 installation the command

```
RewriteBase /path
```

can be used, where **/path** is the path relative to <http://my.domain> or <http://localhost>. For example, the path to <http://localhost/> is just `/`, but to <http://localhost/typo3/mysite/> it is `/typo3/mysite/`.

If several domains are used in TYPO3 installation, it is recommended to add the following lines for each domain instead of **RewriteBase** into **.htaccess**:

```
RewriteCond %{HTTP_HOST} my.domain$ [NC]  
RewriteRule ^$ /index.php?id=129
```

The **id** value, however, is not `129`, but the real page *id* within the TYPO3 pages. For *my.domain* the real domain name must be inserted. An existing line with **RewriteBase** must then be commented out.

The following commands or similar elements might already be available in the file **.htaccess**.

```
RewriteRule ^(typo3|t3lib|tslib|fileadmin|typo3conf|typo3temp|uploads|showpic\.\php)/ - [L]  
RewriteRule ^typo3/.*$ - [L]  
RewriteCond %{REQUEST_FILENAME} !-f  
RewriteCond %{REQUEST_FILENAME} !-d  
RewriteCond %{REQUEST_FILENAME} !-l  
RewriteRule .* index.php [L]
```

## Chapter 2: Adaption of typo3conf/localconf.php

The default configuration of *RealURL* is not very impressive. For optimal usage, the file **typo3conf/localconf.php** should be extended.

### 2.1 Simple Domain

We now explain an extension for the file **typo3conf/localconf.php** that is enough for the configuration of a TYPO3 project with a single domain. This extension is based on the default language English with the *id* L=0 and one foreign language German with the *id* L=1. The root page needs not be given, it is found automatically. The source code originates from

<http://www.galileocomputing.de/download/dateien/1118/realurl.zip>

and looks like

```
$TYPO3_CONF_VARS['EXTCONF']['realurl'] = array(
    '_DEFAULT' => array(
        'redirects' => array(),
        'preVars' => array(
            array(
                'GETvar' => 'L',
                'valueMap' => array(
                    'en' => '0',
                    'de' => '1',
                ),
                'valueDescription' => array(
                    'en' => 'English',
                    'de' => 'Deutsch',
                ),
                'noMatch' => 'bypass',
            ),
        ),
        'pagePath' => array(
            'type' => 'user',
            'userFunc' =>
'EXT:realurl/class.tx_realurl_advanced.php:&tx_realurl_advanced->main',
            'spaceCharacter' => '_',
            'languageGetVar' => 'L',
            'expireDays' => 7,
        ),
        'fixedPostVars' => array(),
        'postVarSets' => array(),
    ),
);
```

This source code is appended near the end of the file, but before the final line

```
?>
```

Before you append it please test whether the file does not have already a *RealURL* configuration. This can be recognized by an exiting line

```
$TYPO3_CONF_VARS['EXTCONF']['realurl'] = array(
```

## 2.2 Several Domains

For each domain of the TYPO3 installation, the following lines must be appended behind the former single domain extension

```
$TYPO3_CONF_VARS['EXTCONF']['realurl']['my.domain'] =  
$TYPO3_CONF_VARS['EXTCONF']['realurl']['_DEFAULT'];  
$TYPO3_CONF_VARS['EXTCONF']['realurl']['my.domain']['pagePath']['rootpage_id'] = 129;
```

Please remove the line break after the first equal sign and replace the number **129** by the *id* of the root page.

Again the insertion is done before the final line

```
?>
```

in the file **typo3conf/localconf.php**.

Remember to make the file **.htaccess** suitable for your several domains (see the previous chapter).

## 2.3 File Import instead of Annex

It is possible to store the annex to a file and import it. For that, we store the whole content of chapter 2.1 and 2.2 into the file **typo3conf/realurlconf.php**.

```
<?php  
  
content of chapter 2.1 and 2.2  
  
?>
```

Then we insert a single line at the end of the file **typo3conf/localconf.php** (even after the final line):

```
<?php include(PATH_typo3conf.'realurlconf.php'); php?>
```

*RealURL* should work now.

## 2.3 News and more

If you want to use speaking names with news and other features you could look at the training DVD **Einstieg in TYPO3 4.0** of **Thomas Kötter**. In the data file of the DVD

<http://www.galileocomputing.de/download/dateien/1118/realurl.zip>

there is a file **Beispielkonfiguration RealURL.txt**. This describes the extension of **typo3conf/localconf.php** for news and more.