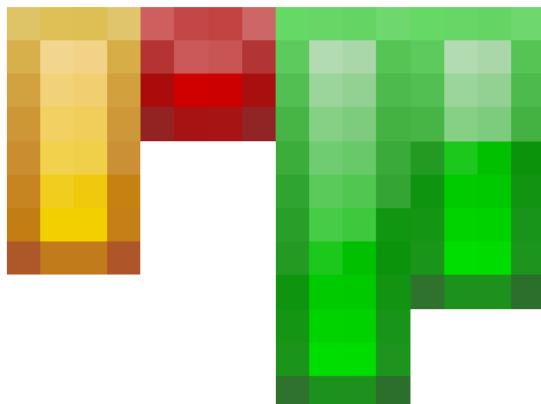


# Auto grouping sitemap and menu



Version: 1.0.0, 2012-12-27

Extension Key: autositemap

Language: en

Keywords: sitemap, menu, grouping

Copyright 2012, Dirk Wildt, Die Netzmacher, <<http://wildt.at.die-netzmacher.de>>

This document is published under the Open Content License

available from <http://www.opencontent.org/opl.shtml>

The content of this document is related to TYPO3

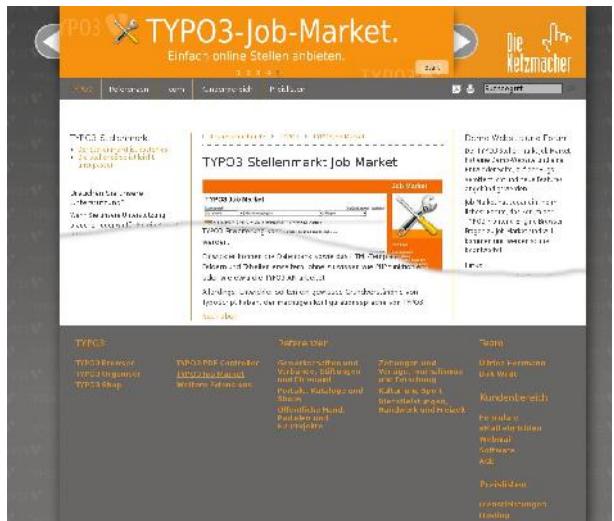
- a GNU/GPL CMS/Framework available from [www.typo3.org](http://www.typo3.org)

## Table of Contents

|  |    |                                 |    |
|--|----|---------------------------------|----|
| Auto grouping sitemap and menu .....   | 1  | AUTOSITEMAP – DEBUGGING .....   | 12 |
| Screen Shots .....                     | 3  | TypoScript Object-Browser ..... | 13 |
| Frontend .....                         | 3  | CSS .....                       | 13 |
| Backend .....                          | 3  | Master Template .....           | 13 |
| Layout Samples .....                   | 4  | Debugging .....                 | 14 |
| Introduction .....                     | 5  | Follow the Workflow .....       | 14 |
| What does it do? .....                 | 5  | HTML Code .....                 | 15 |
| Installation .....                     | 6  | Reference .....                 | 17 |
| One page only .....                    | 6  | Whats new in .....              | 20 |
| Website wide Installation .....        | 6  | ... version 1.0? .....          | 20 |
| Priority .....                         | 7  | Update .....                    | 21 |
| First of all .....                     | 7  | Update from < 0.9.x .....       | 21 |
| Maximum of line breaks .....           | 7  | Helpful suggestions .....       | 22 |
| One line break only .....              | 9  | Known Bugs .....                | 23 |
| No line break for any menu .....       | 10 | To-Do List .....                | 24 |
| TypoScript Constant-Editor .....       | 11 | Change Log .....                | 25 |
| AUTOSITEMAP – MENU CONFIGURATION ..... | 11 | Illustration Index .....        | 26 |
| AUTOSITEMAP – RULES .....              | 12 |                                 |    |

# Screen Shots

## Frontend



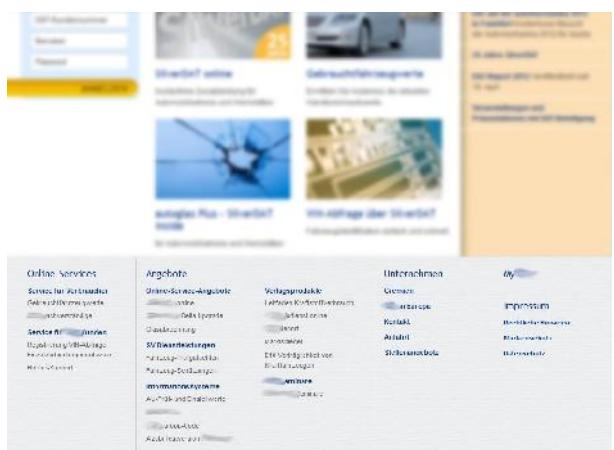
This screenshot shows a TYPO3 website layout with two main content columns and a single marginal column on the left. The left margin contains a sidebar with links like 'TYPO3 Einführung', 'TYPO3 Services', 'TYPO3 Partner', 'Weitere Lehrgänge', and 'Kontakt'. The top navigation bar includes 'Home', 'Referenzen', 'News', 'Gesuchte Stellen', 'Postkarrier', and 'Logout'. The main content area features a large banner for 'TYPO3 Job Market' and several smaller sections with text and images.

Illustration 1: Two main columns, one marginal column



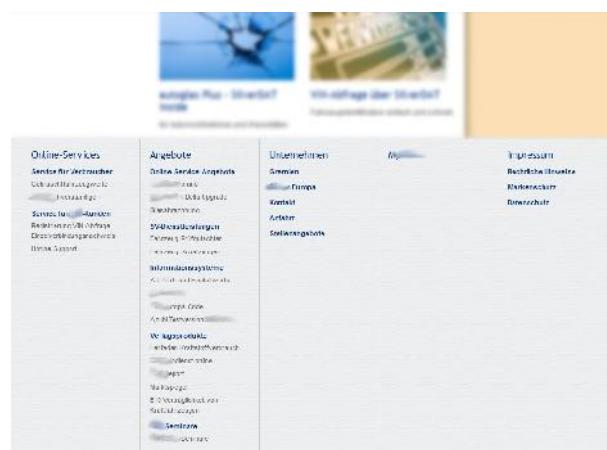
This screenshot shows a similar TYPO3 website layout but with four main content columns instead of two. The left margin is identical to Illustration 1. The top navigation bar is also similar. The main content area is divided into four distinct columns, each containing different sections of information.

Illustration 2: Four main columns, one marginal column



This screenshot shows a TYPO3 website layout with three main content columns and a single marginal column on the left. The left margin contains a sidebar with links like 'TYPO3 Einführung', 'TYPO3 Services', 'TYPO3 Partner', 'Weitere Lehrgänge', and 'Kontakt'. The top navigation bar includes 'Home', 'Referenzen', 'News', 'Gesuchte Stellen', 'Postkarrier', and 'Logout'. The main content area features a large banner for 'TYPO3 Job Market' and several smaller sections with text and images.

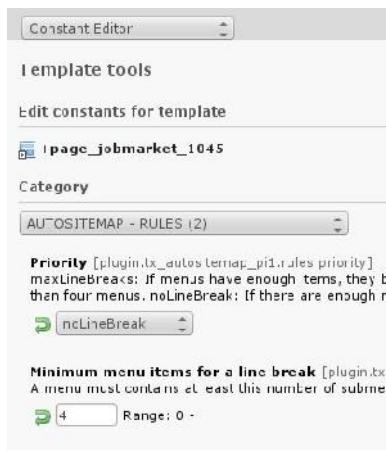
Illustration 3: Three main columns, one marginal column



This screenshot shows a similar TYPO3 website layout but with four main content columns instead of three. The left margin is identical to Illustration 3. The top navigation bar is also similar. The main content area is divided into four distinct columns, each containing different sections of information.

Illustration 4: Four main columns, one marginal column

## Backend



This screenshot shows the TYPOScript Constant Editor interface. It displays a list of configuration constants under categories such as 'Online-Services', 'Arbeits', 'Verlagsmedien', 'Unternehmen', 'Impressum', 'Angebote', 'Unternehmen', and 'Impressum'. Each category has a list of sub-items with their current values. At the bottom, there are sections for 'Priority' (set to 'noLineBreak') and 'Minimum menu items for a line break' (set to '4').

Illustration 5: TypoScript Constant Editor

## Layout Samples

Four examples. Ten layouts are possible.

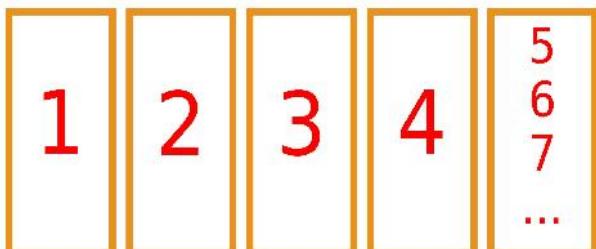


Illustration 6: Four main columns, one marginal column

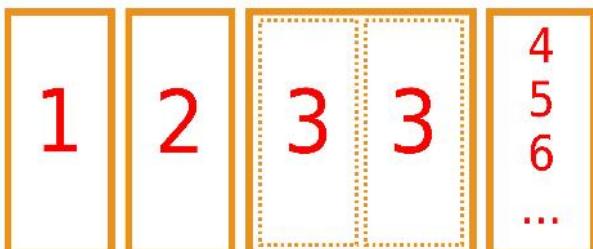


Illustration 7: Three main columns, one marginal column



Illustration 8: Two main columns

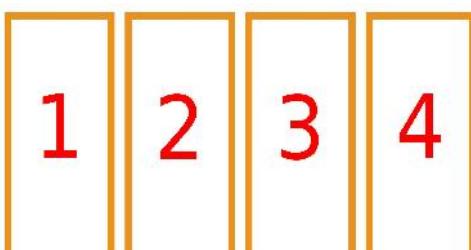


Illustration 9: Four main columns

# Introduction

## What does it do?

- autositemap generates a sitemap or menu in columns.
- autositemap tries to split menus for the best design. Ten designs are possible.
- For example: Big menus can get two columns.
- If you have more than four menus, the rest will placed in a fifth column.
- The menus in the first four columns has a depth of three levels by default.
- The menus in the fifth column has a depth of two levels by default.
- You can control the behaviour of placements with one of three priorities:
  - Maximum of line breaks
  - One line break only
  - No line break for any menu

See "Priority" on page 7 below for more details.

- The menus are configured by TypoScript. They are based on the HMENU and TMENU. But you can't use all HMENU properties!
- The used HTML classes by the include static template "+Autositemap YAML (autositemap)" are based on the YAML CSS. But the JavaScript framework YAML isn't needed.

# Installation

## One page only

- Install the extension.
- Add the plugin to a page, where you like to use the autositemap.
- Add the TypoScript templates to the static templates of the TypoScript of this page:
  - Autositemap (autositemap)
  - +Autositemap YAML (autositemap)
- Configure autositemap supported by the TypoScript Constant Editor.

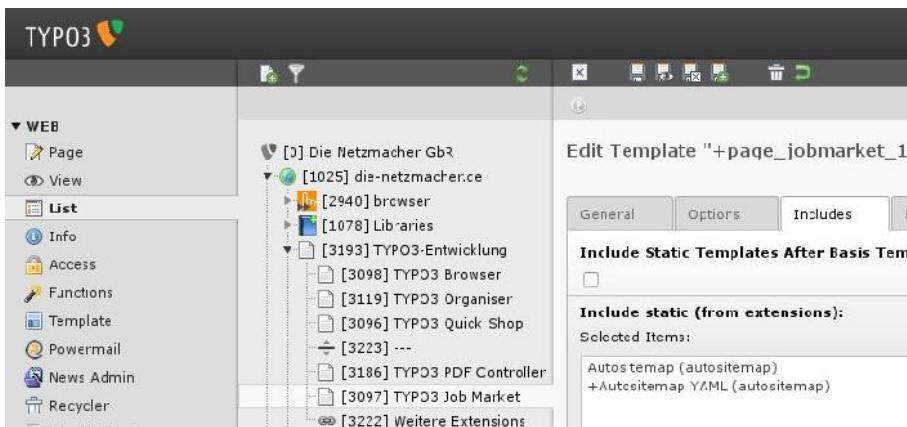


Illustration 10: Include static (from extensions)

## Website wide Installation

- Install the extension.
- Add a sysfolder "libraries" to your website.
- Add a page "sitemap" into the page "libraries".
- Add the plugin into the page "sitemap"
- Add the TypoScript templates to the static templates of the TypoScript of your root page:
  - Autositemap (autositemap)
  - +Autositemap YAML (autositemap)
- Include the content of the page "sitemap" website wide by TypoScript or TemplaVoilá.
- Configure autositemap supported by the TypoScript Constant Editor.

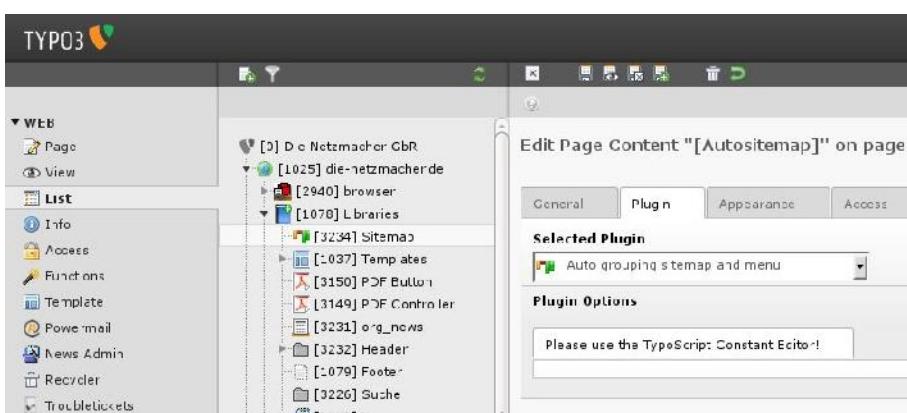


Illustration 11: The autositemap plugin

# Priority

## First of all

### The marginal Column

The fifth column is a marginal column. It contains menus, which aren't contained by the first four columns. The fifth column doesn't place any line break in a menu.

### The Competition of big Menus

There are some cases imaginable with menus which compete against other menus for a line break. autositemap tries to find the best solution in this cases.

## Maximum of line breaks

### Explanation

autositemap gives priority to the maximum of line breaks.

If first two menus have enough items for a line break, they will fill the first four columns. All other menus will fill the fifth column.

### TypoScript Constant Editor

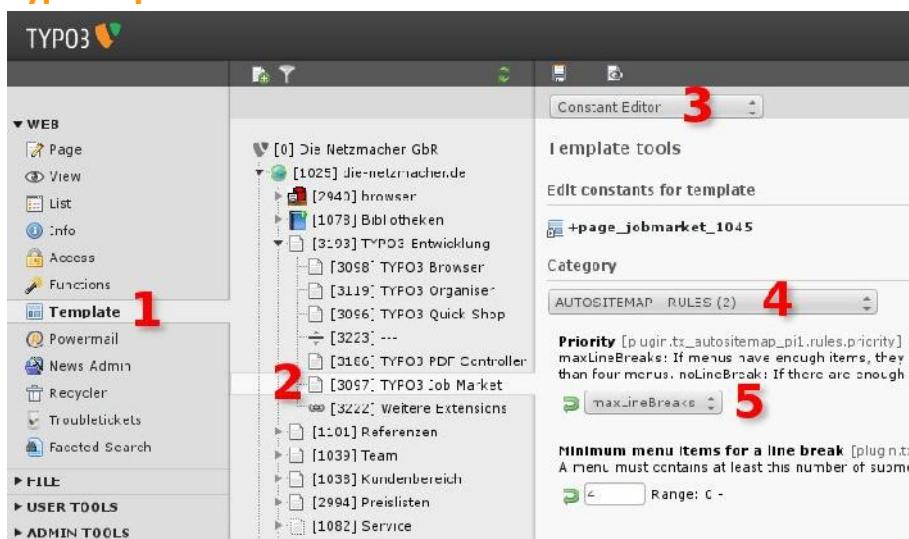


Illustration 12: TypoScript Constant Editor - maxLineBreaks

1. Web Modul: Template
2. Page tree: Root page or page of your choice
3. Edit area: [Constant Editor]
4. Categorie: [AUTOSITEMAP – RULES]
5. Priority: [maxLineBreaks]

### Possible cases

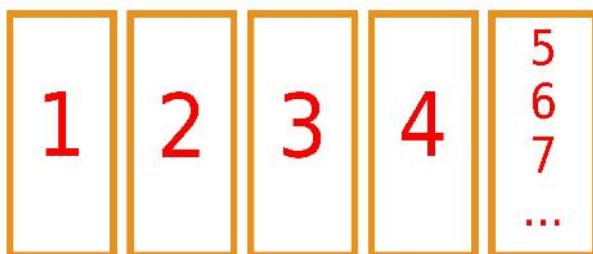


Illustration 13: Any menu hasn't enough items for a line break.

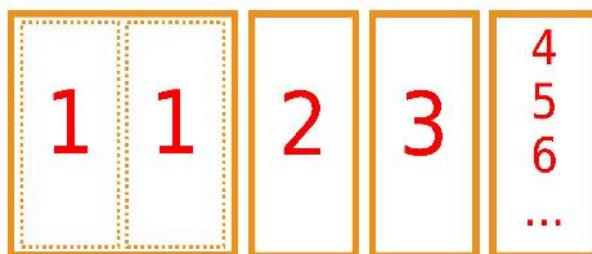


Illustration 14: The 1st menu has enough items for a line break.

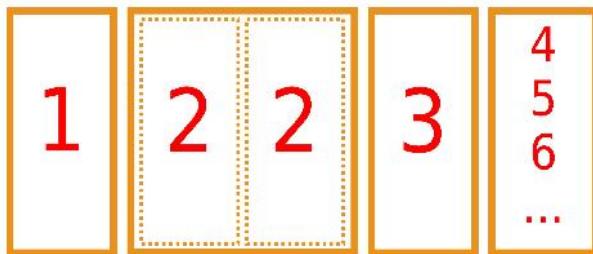


Illustration 15: The 2nd menu has enough items for a line break.

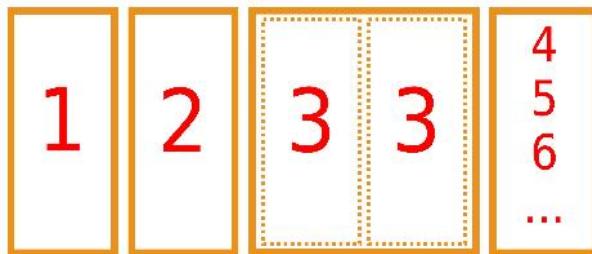


Illustration 16: The 3rd menu has enough items for a line break.

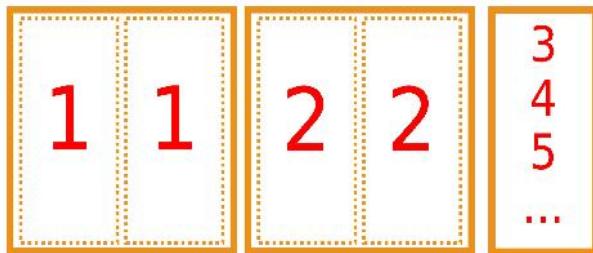


Illustration 17: The 1st and 2nd menu have enough items for a line break.

If you haven't enough menus, there won't be any marginal column.

## One line break only

### Explanation

Only one menu will get a line break at maximum.

If there are only three menus, one of the menus must have enough items for a line break.

If there are more than three menus, one of the first two menus must have enough items for a line break.

### TypoScript Constant Editor

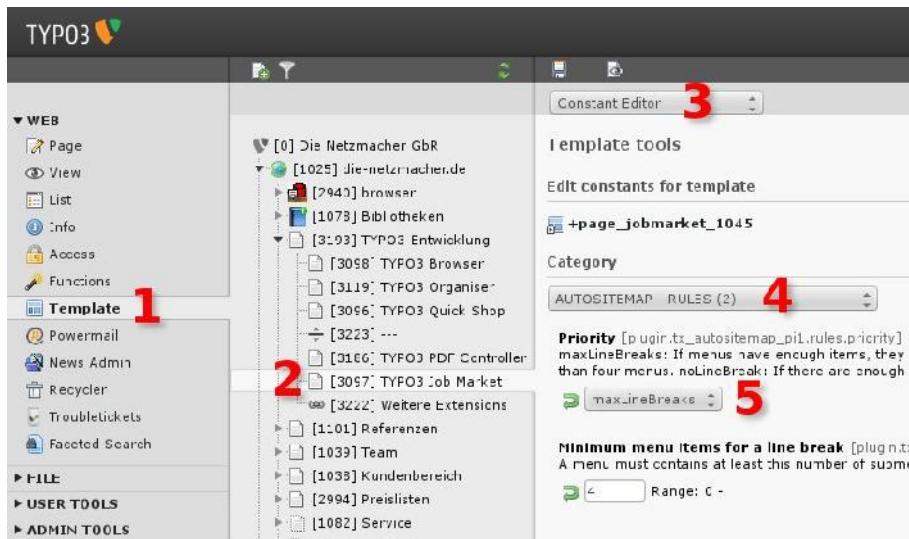


Illustration 18: TypoScript Constant Editor - maxLineBreaks

6. Web Modul: Template
7. Page tree: Root page or page of your choice
8. Edit area: [Constant Editor]
9. Categorie: [AUTOSITEMAP – RULES]
10. Priority: [oneLineBreak]

### Possible cases

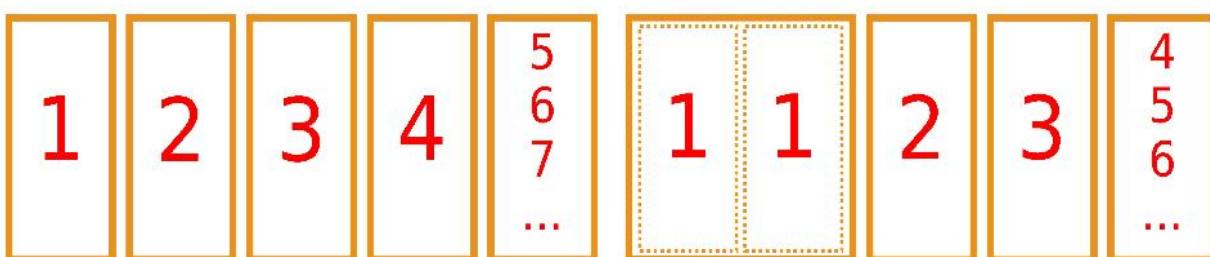


Illustration 19: Any menu hasn't enough items for a line break.

Illustration 20: The 1st menu has enough items for a line break.

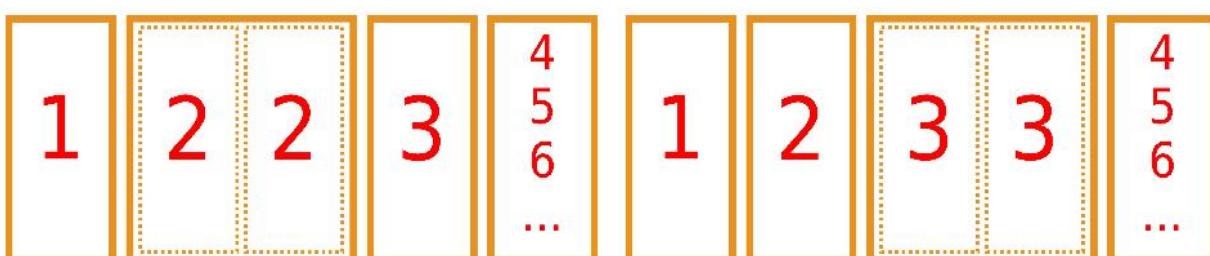


Illustration 21: The 2nd menu has enough items for a line break.

Illustration 22: The 3rd menu has enough items for a line break.

If you haven't enough menus, there won't be any marginal column.

## No line break for any menu

### Explanation

Any menu won't get any line break.

### TypoScript Constant Editor

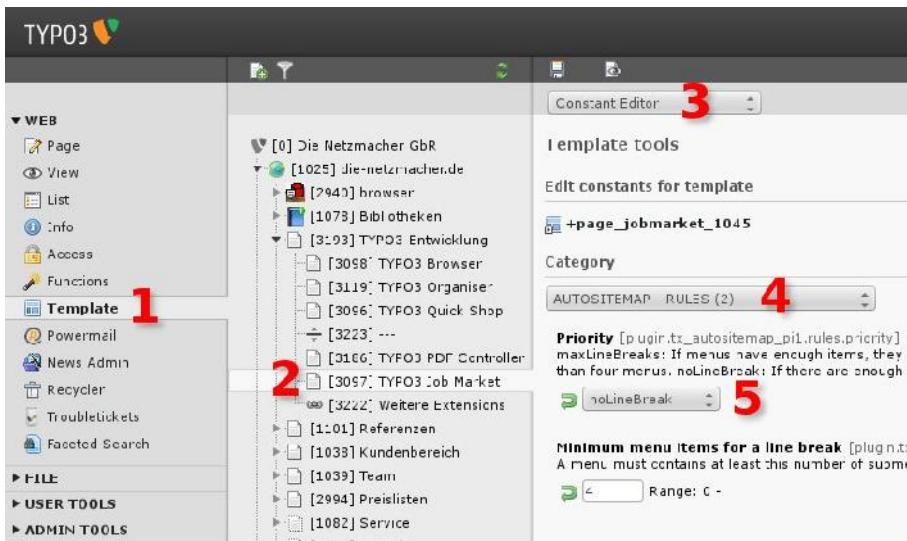


Illustration 23: TypoScript Constant Editor - maxLineBreaks

1. Web Modul: Template
2. Page tree: Root page or page of your choice
3. Edit area: [Constant Editor]
4. Categorie: [AUTOSITEMAP – RULES]
5. Priority: [noLineBreak]

### Possible cases

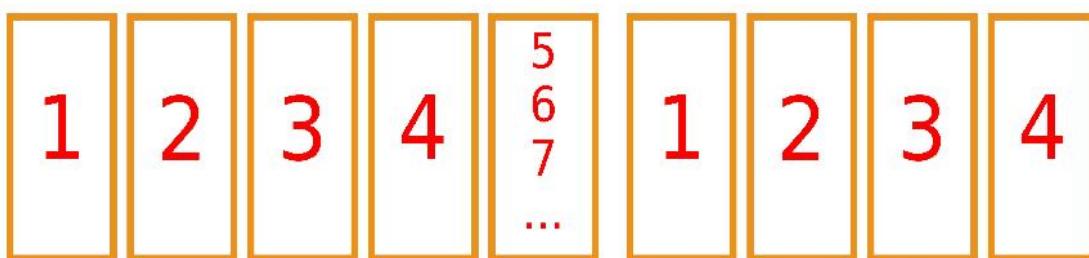


Illustration 24: Any menu hasn't a line break.

Illustration 25: Same case with four menus

If you have less than four menus, you will receive less columns.

# TypoScript Constant-Editor

## AUTOSITEMAP – MENU CONFIGURATION

### Root page id (this is a must!)

Uid of the root page. Menu / sitemap will calculated from this startingpoint. You will get an error, if root page id is empty!

### Doktypes

You can exclude doktypes from the sitemap.

The doktypes 3, 6, 7, 199, 254, 255 (see below) are excluded by default. That means: the doktypes page and short cut will displayed by default.

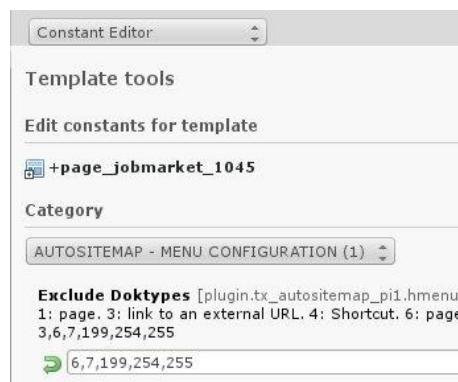


Illustration 26: Configuring doktypes

### Defined doktypes

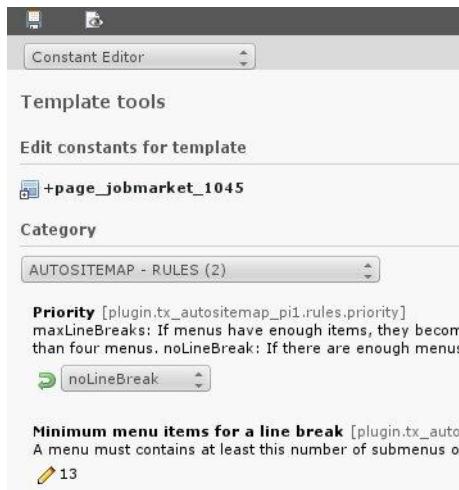
- 1: page
- 3: link to an external URL
- 4: Shortcut
- 6: page for backend user
- 7: mount point
- 199: menu separator
- 254: folder
- 255: recycler

### Exclude uids

Comma separated list of ids of pages, which should ignored. All subpages of an excluded page will ignored too.

## AUTOSITEMAP – RULES

### Priority



The screenshot shows the TYPO3 Constant Editor interface. The left sidebar lists 'Template tools' and 'Edit constants for template'. Under 'Category', 'AUTOSITEMAP - RULES (2)' is selected. The main content area displays configuration for 'Priority' [plugin.tx\_autositemap\_pi1.rules.priority]. It includes two options: 'maxLineBreaks' (described as 'If menus have enough items, they become double columns') and 'noLineBreak' (selected). Below this, 'Minimum menu items for a line break' [plugin.tx\_auto] is set to 13, with a note that a menu must contain at least this number of submenus or items to get a line break.

Illustration 27: Rule for a line break

- maxLineBreaks: If menus have enough items, they become double columns.
- oneLineBreak: The greatest menu will get a double column, if there are less than four menus.
- noLineBreak: If there are enough menus, each menu becomes one column only.

See details at "Priority" on page 7 above.

### Minimum menu items for a line break

A menu must contain at least this number of submenus or items, if it should get a line break.

## AUTOSITEMAP – DEBUGGING

### Enable Debugging

HTML comments will be displayed.

See details at "HTML Code" on page 15 below.

# TypoScript Object-Browser

## CSS

autositemap includes a CSS file while runtime.

```
page.includeCSS {
    tx_autositemap_pi1_yaml = EXT:autositemap/res/pi1/yaml/autositemap_yaml.css
}
```

If you don't need it, please configure:

```
page.includeCSS {
    tx_autositemap_pi1_yaml >
}
```

If you need an own CSS file please configure something like this:

```
page.includeCSS {
    tx_autositemap_pi1_yaml >
    tx_autositemap_pi1_yaml = fileadmin/my_files/my_own.css
}
```

## Master Template

The TypoScript properties are configured by a master template in general.

The parts of the master template are allocated to the autositemap plugin like in the snippet below:

```
plugin.tx_autositemap_pi1 {
    css          < plugin.tx_autositemap_pi1.master_templates.yaml.css
    html         < plugin.tx_autositemap_pi1.master_templates.yaml.html
    menu_main   < plugin.tx_autositemap_pi1.master_templates.yaml.menus.menu_main
    menu_main_last < plugin.tx_autositemap_pi1.master_templates.yaml.menus.menu_main_last
    menu_margin  < plugin.tx_autositemap_pi1.master_templates.yaml.menus.menu_margin
}
```

If you like to configure your own layout, please configure your own master template. A good example is the TypoScript of "+Autositemap YAML (autositemap)". See the files:

```
autositemap/static/pi1/yaml
  • constants.txt
  • setup.txt
```

## More Configuration in Depth

There are a lot of properties for customising.

Sorry, that these properties aren't a subject of this manual.

You have the option to inspect the TypoScript only.

# Debugging

## Follow the Workflow

You can follow the workflow with the DRS – the Development Reporting System.

You need the extension devlog.

### DRS – Development Reporting System

The DRS – Development Reporting System – prompts the whole workflow into the devlog.

If you have any unexpected result, please enable the DRS by the extension manager.

#### Enabling



Illustration 28: Enable the DRS – Development Reporting System

1. Modul Admin Tools: Extension Manager
2. Edit area: Select autositemap
3. [Configuration]
4. DRS: [Enabled]
5. [Update]

Reload the page with the autositemap in the frontend.

## Report

The screenshot shows the TYPO3 Backend interface with the 'Developer Log' module open. The log window displays a list of messages, many of which contain markers such as {PAGE\_ID}, {PAGE\_URL}, and {PAGE\_TITLE}. A red '1' is placed over the 'Developer Log' tab in the sidebar.

Illustration 29: Report of the DRS – Development Reporting System

Follow the workflow: read the report!

## HTML Code

The autositemap uses some markers for replacement of HTML wraps.

It simplifies to fix bugs, if the markers won't replaced in the HTML code, if there is any unexpected result,

## Debugging

The screenshot shows the TYPO3 Backend interface with the 'Template' module open. A red '1' is over the 'Template' tab in the sidebar. A red '2' is over a page node in the tree view. A red '3' is over the 'Constant Editor' tab in the right panel. A red '4' is over the 'Category' dropdown menu which is set to 'AUTOSITEMAP - DEBUGGING'. A red '5' is over the 'Enable Debugging' checkbox, which is checked.

Illustration 30: Display HTML comments

Enable HTML comments (markers won't removed):

1. Modul Web: Template
2. Page tree: Select a page with the autositemap plugin
3. Edit area: [Constant Editor]
4. Category: [AUTOSITEMAP - DEBUGGING]
5. [X] Enable Debugging

Reload the page in the frontend.

Inspect the HTML source code.

```
<footer id="footer" class="no-print"><!--###footer### begin -->
<div class="shadow"><!--###shadow### begin -->
<!--###shadow## end --></div>
<div id="footer-logo"><div id="csc-item" class="csc-default"><div class="tx-autositem
<div class="ym-area equalize">
<!-- ###OUTER-UID-3193## begin --> <div class="ym-g20 ym-gl">
<div class="ym-gbox"><!-- ###INNER-UID-3193## begin --><h1 class="cur"><a
</div><!-- ###OUTER-UID-3193## end --><!-- ###OUTER-UID-1101## begin -->
<div class="ym-gbox"><!-- ###INNER-UID-1101## begin --><h1 class="ifsub">
</div><!-- ###OUTER-UID-1101## end --><!-- ###OUTER-UID-1038## begin -->
<div class="ym-gbox"><!-- ###INNER-UID-1038## begin --><h1 class="ifsub">
</div><!-- ###OUTER-UID-1038## end --><!-- ###OUTER-UID-1039## begin -->
<div class="ym-gbox"><!-- ###INNER-UID-1039## begin --><h1 class="ifsub">
</div><!-- ###OUTER-UID-1039## end --><div class="ym-g20 ym-gr">
<div class="ym-gbox"><h1 class="ifsub"><a href="#" title="Preisli
</div>
</div>
</div>
```

Illustration 31: HTML source code with autositemap marker

# Reference

| Property: | Data type: | Description:   | Default: |
|-----------|------------|--|----------|
| css       | array      | <p>Variables for your CSS classes.</p> <p>Please take a look into TypoScript of "+Autositemap YAML (autositemap)" see "Master Template" on page 13 above.</p> <p><b>Example:</b></p> <pre>plugin.tx_autositemap_pil {     css {         // One menu in a single column         10 = tx_autositemap_pil_menus_01         10 {             // Class for a single column             mainSingle = TEXT             mainSingle {                 value = 100             }         }         // One menu in a double column         11 = tx_autositemap_pil_menus_01_wi_01_double         11 {             // Class for a double column             mainDouble = TEXT             mainDouble {                 value = 100             }         }         ...     } }</pre> |          |
| debugging | array      | <p>Support for debugging: HTML comments will removed by default (0). Please configure it by the TypoScript Constant Editor!</p> <p><b>Example:</b></p> <pre>plugin.tx_autositemap_pil {     debugging {         dontRemoveHtmlComments = TEXT         dontRemoveHtmlComments {             value = 0         }     } }</pre>   | 0        |
| html      | array      | <p>HTML snippets for wraps. The snippets must contain the variable %content%. %content% will replaced with the current main menu or submenu.</p> <p>Please take a look into TypoScript of "+Autositemap YAML (autositemap)" see "Master Template" on page 13 above.</p> <p><b>Example:</b></p> <pre>plugin.tx_autositemap_pil {     html {         sitemap = TEXT         sitemap {             ...         }         menuMainOuterWrap = TEXT         menuMainOuterWrap {             ...         }         menuMainInnerWrap = TEXT         menuMainInnerWrap {             ...         }         menuSubOuterWrap = TEXT         menuSubOuterWrap {             ...         }     } }</pre>   |          |

| Property:                | Data type: | Description:  | Default: |
|--------------------------|------------|---|----------|
| master_templates         | array      | <p>Master templates: it contains the whole configuration for the HMENU with TMENUs.</p> <p>Please take a look into TypoScript of "+Autositemap YAML (autositemap)" see "Master Template" on page 13 above.</p> <p><b>Example:</b></p> <pre>plugin.tx_autositemap_pi1 {     master_templates =     master_templates {         ...     } }</pre>  |          |
| menu_main<br>menu_margin | array      | <p>Configuration of the menu in the main section (first four columns) and of the menu in the margin section (fifth column).</p> <p>Please take a look into TypoScript of "+Autositemap YAML (autositemap)" see "Master Template" on page 13 above.</p> <p><b>Example:</b></p> <pre>plugin.tx_autositemap_pi1 {     menu_main =     menu_main_last =     menu_margin = }</pre>   |          |
| rules                    | array      | <p>Rules for the number of columns and the line break position.<br/>Please configure it by the TypoScript Constant Editor!</p> <p><b>Example:</b></p> <pre>plugin.tx_autositemap_pi1 {     // Rules for number of columns and line break     rules =     rules {         // Minimum of submenus and items for a line break         menuItems =         menuItems {             ...         }         // Number of columns ...: DON'T TOUCH IT!         numberOfColumns =         numberOfColumns {             ...         }         // Priority         priority = TEXT         priority {             ...         }     } }</pre> |          |

| Property: | Data type: | Description:   | Default: |
|-----------|------------|--|----------|
| sql       | array      | <p>SQL statements. Contains an andWhere for the pages table only.<br/>Configuration has to correspond with the configuration of the HMENU.</p> <p>You don't need to configure it.</p> <p><b>Example:</b></p> <pre>plugin.tx_autositemap_pi1 {     sql {         // Table         pages =         pages {            andWhere = TEXT            andWhere {                 value =      AND doktype NOT IN \ ({\$plugin.tx_autositemap_pi1.hmenu.excludeDoktypes}) \                     AND nav_hide = 0                 noTrimWrap =                  }         }     } }</pre> |          |

# Whats new in ...

... version 1.0?

## **Exclude page Ids**

[1.0.0]

You can exclude page ids from the menu / sitemap.

## **Configurable rootpage ID**

[1.0.0]

You can configure the rootpage / startingpoint of the menu / sitemap.

# Update

## Update from < 0.9.x

You have to allocate the root page id supported by the TypoScript Constant-Editor. See "Root page id (this is a must!)" on page 11 above.

## Helpful suggestions

If you have helpful suggestions, feel free to send a question, a bug or a code snippet by e-mail. See <http://wildt.at.die-netzmacher.de>.

E-mails are welcome in English and German.

## Known Bugs

The option "One Line Break" doesn't seem to work proper.

## To-Do List

Check the option "One Line Break".

# Change Log

## 1.0.0 **New Features**

- \* #43696: Exclude page ID
- \* #43695: Configurable rootpage ID

## 0.9.3 **Bugfix**

- \* static/pi1/yaml/setup.txt: ACRIFSUB > ACTIFSUB

## 0.9.2 **Bugfix**

- \* array\_keys() expects parameter 1 to be array in pi1/class.tx\_autositemap\_pi1.php line 2729

## 0.9.1 **Publishing**

### Update

- \* Manual

## 0.0.4 **Improvements**

- \* margin column get the class ym-gr (former: ym\_gl)
- \* Configuring the TypoScript Constant Editor

### Bugfix

- \* pi1/locallang.xml

## 0.0.3 **New Feature**

- \* multiple master\_templates

Effected file: static/pi1/setup.txt

- \* priorities: plugin.tx\_autositemap\_pi1.rules.priority

- \* maxLineBreaks
- \* oneLineBreak
- \* noLineBreak

## 0.0.2 **Manual**

## 0.0.1 **Initial release**

Dirk Wildt <http://wildt.at.die-netzmacher.de>

# Illustration Index

|  |    |
|--|----|
| Illustration 1: Two main columns, one marginal column .....                    | 3  |
| Illustration 2: Four main columns, one marginal column .....                   | 3  |
| Illustration 3: Three main columns, one marginal column .....                  | 3  |
| Illustration 4: Four main columns, one marginal column .....                   | 3  |
| Illustration 5: TypoScript Constant Editor .....                               | 3  |
| Illustration 6: Four main columns, one marginal column .....                   | 4  |
| Illustration 7: Three main columns, one marginal column .....                  | 4  |
| Illustration 8: Two main columns .....   | 4  |
| Illustration 9: Four main columns .....  | 4  |
| Illustration 10: Include static (from extensions) .....                        | 6  |
| Illustration 11: The autositemap plugin .....                                  | 6  |
| Illustration 12: TypoScript Constant Editor - maxLineBreaks .....              | 7  |
| Illustration 13: Any menu hasn't enough items for a line break. ....           | 8  |
| Illustration 14: The 1st menu has enough items for a line break. ....          | 8  |
| Illustration 15: The 2nd menu has enough items for a line break. ....          | 8  |
| Illustration 16: The 3rd menu has enough items for a line break. ....          | 8  |
| Illustration 17: The 1st and 2nd menu have enough items for a line break. .... | 8  |
| Illustration 18: TypoScript Constant Editor - maxLineBreaks .....              | 9  |
| Illustration 19: Any menu hasn't enough items for a line break. ....           | 9  |
| Illustration 20: The 1st menu has enough items for a line break. ....          | 9  |
| Illustration 21: The 2nd menu has enough items for a line break. ....          | 9  |
| Illustration 22: The 3rd menu has enough items for a line break. ....          | 9  |
| Illustration 23: TypoScript Constant Editor - maxLineBreaks .....              | 10 |
| Illustration 24: Any menu hasn't a line break. ....                            | 10 |
| Illustration 25: Same case with four menus .....                               | 10 |
| Illustration 26: Configuring doktypes .....                                    | 11 |
| Illustration 27: Rule for a line break .....                                   | 12 |
| Illustration 28: Enable the DRS – Development Reporting System .....           | 14 |
| Illustration 29: Report of the DRS – Development Reporting System .....        | 15 |
| Illustration 30: Display HTML comments .....                                   | 15 |
| Illustration 31: HTML source code with autositemap marker .....                | 16 |