

EXT: beautyOfCode Syntax Highlighter

Extension Key: beautyofcode

Language: en

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- a GNU/GPL CMS/Framework available from www.typo3.org

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Introduction

What does it do?

This plugin provides state-of-the-art syntax highlighting by using Java-Script. The jQuery plugin beautyOfCode is used to implement SyntaxHighlighting 2.0 by Alex Gorbachev.

Use the constant editor or TS to define needed programming languages. These will be available in the FE plugin which needs to be added as a generic FE plugin ("insert plugin"). Each of this languages is a lazy-loaded (after the page has finished loading) Java-Script file. You can define different css styles (so called themes) to match your page design.

The following programming languages are available Actionsript 3, Bash, Shell, ColdFusion", C, C++, C#, CSS, Delphi, Pas, Pascal, Diff, Patch, Erlang, Groovy, Java, Java FX, Java-Script, Perl, PHP, Power-Shell, Python, Ruby on Rails, Scala, SQL, Typoscript, MySQL, Virtual Basic, .Net, XML, XSLT, XHTML and HTML. There are even more, please check out <http://alexgorbatchev.com/wiki/SyntaxHighlighter:Brushes>

Note: This extension needs jQuery Java-Script framework.

Features

- Show Gutter
- Customizable tab size
- Configurable label
- Collapse code
- Wrap lines
- Different visual styles
- Show Toolbar
 - Print in FE view
 - Copy to directly to clipboard (via swf) in FE view
 - Copy manually out of an pop-up in FE view

Code is embedded as:

```
<pre class="code">
  <code class="php">
    CODE GOES HERE
  </code>
</pre>
```

Live Demo

- FelixNagel.com/Blog/

Please help me to add more sites here: [contact me!](#)

jQuery Plugin beautyOfCode

Beauty of Code is a jQuery plugin written by Lars Corneliussen. This extension uses beautyOfCode to implement SyntaxHghlighter 2.0 in a xhtml 1.0 compliant way (see above) and to add the desired js files by lazy loading.

See <http://startbigthinksmall.wordpress.com/2009/05/28/beautyofcode-jquery-plugin-for-syntax-highlighter-2-0-by-alex-gorbachev/> for more information.

Syntax Highlighter 2.0


Syntax Highlighter 2.0 by Alex Gorbachev, which does the catually highlithing, is the nicest syntax highlighter i've seen so far and it's also used by Freshbooks, ASP .Net Forums, wordpress.com, Aptana, Mozilla Developer Center, SitePoint and Yahoo

Developer Network. It is coded in native Java-Script and is under active development. Please see <http://alexgorbatchev.com/wiki/SyntaxHighlighter> for more information.


Screenshots

Extension Manager Settings

Extension Manager

Extension:  **beautyOfCode Syntax Highlighter** (beautyofcode)

CURRENT STATUS:

The extension is installed (loaded and running)!
 Click here to remove the extension: 

CONFIGURATION:

(Notice: You may need to clear the cache after the configuration of the extension. This is required if the extension add.

Base URL [baseUrl]
 Default: EXT:beautyofcode/res/ Enter path to the res directory by using EXT: or FILE: or absolute path <http://your.domain.de/.../res/>). Leave empty to use online repository. More Info see: <http://alexgorbatchev.com/wiki/SyntaxHighlighter:Hosting>

Relative path to scripts [scripts]
 Default: scripts/ Enter relative path to baseUrl. Leave empty or default when using online repository.

Relative path to styles [styles]
 Default: styles/ Enter relative path to baseUrl. Leave empty or default when using online repository.

Script URL [scriptUrl]
 Path to jquery.beautyOfCode.js file (use FILE: and EXT: or absolute path <http://your.domain.de/...>).
 Default: EXT:beautyofcode/res/jquery.beautyOfCode.js

Please note: You need to include the jQuery Core js file yourself. Its NOT done by this extension, but its possible to use t3jquery extension.

This extension uses the jQuery plugin *beautyOfCode* by *Lars Corneliusen* (LGPL licensed, see startbigthinksmall.wordpress.com/2009/05/28/beautyofcode-jquery-plugin-for-syntax-highlighter-2-0-by-alex-gorbatchev). Actually highlighting is done by *SyntaxHighlighter 2.0* by *Alex Gorbatchev* (GPL licensed, see alexgorbatchev.com/wiki/SyntaxHighlighter). These files are loaded lazy after the browser finishes page loading. Please feel free to contact me for bugs, questions and further development.

Constant Editor Settings

<p>Template-Werkzeuge</p> <p>KONSTANTEN BEARBEITEN FÜR TEMPLATE:</p> <p>Main TypoScript</p> <p>Kategorie: <input type="text" value="BEAUTYOFcode (10)"/></p> <p>Enable features</p> <p>Loaded programming languages [plugin.tx_beautyofcode_pi1.brushes] Define which programming languages should be available. Less is more: every brush is lazy loaded a single js file. Add a separated list out of: AS3, Bash, ColdFusion, Cpp, CSharp, Css, Delphi, Diff, Erlang, Groovy, Java, JavaFX, JScript, Perl, Php, PowerShell, Python, Ruby, Scala, Sql, Vb, Xml.</p> <p><input checked="" type="checkbox"/> Xml,JScript,CSharp,Php,Vb,Xml, AS3, Bash, Cpp, CSharp, Css, Delphi, Diff, Typ</p> <p>Possible themes [plugin.tx_beautyofcode_pi1.theme] Midnight, RDark, Default, Django, Eclipse, Emacs, FadeToGrey, FelixNagelV3 (which is dark minimal). Add your own in EXT:res/styles/)</p> <p><input checked="" type="checkbox"/> FelixNagelV3</p> <p>Wrap [plugin.tx_beautyofcode_pi1.wrap] Wraps the whole frontend plugin.</p> <p><input checked="" type="checkbox"/> <div class="tx_beautyofcode_pi1"> </div></p> <p>Show label [plugin.tx_beautyofcode_pi1.label.show] If set to false the label is hidden.</p> <p><input checked="" type="checkbox"/> 1</p> <p>Label wrap [plugin.tx_beautyofcode_pi1.label.wrap] Wraps the label element.</p> <p><input checked="" type="checkbox"/> </p>	<p>Others</p> <p>Size of tabulator [plugin.tx_beautyofcode_pi1.defaults.tab-size] Tabulator chars will be changed to spaces. Default is 4 (spaces).</p> <p><input checked="" type="checkbox"/> 1 Range: 0 -</p> <p>Toolbar [plugin.tx_beautyofcode_pi1.defaults.toolbar] Show toolbar when mouseover (with following functions: code in pop-up, copy to clipboard via swf, print, info about SyntaxHighlighter 2.0).</p> <p><input checked="" type="checkbox"/> 1</p> <p>Gutter [plugin.tx_beautyofcode_pi1.defaults.gutter] Show or hide gutter. Helps user to recognize correct line.</p> <p><input checked="" type="checkbox"/> 1</p> <p>Collapse [plugin.tx_beautyofcode_pi1.defaults.collapse] Allows you to force highlighted elements on the page to be collapsed. A link "show source" is displayed instead (not customizable yet).</p> <p><input checked="" type="checkbox"/> [Empty]</p> <p>Wrap lines [plugin.tx_beautyofcode_pi1.defaults.wrap-lines] Allows you to turn line wrapping feature on and off. Recommended to to be enabled.</p> <p><input checked="" type="checkbox"/> 1</p>
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Frontend Plugin

<p>Seiteninhalt [1463] - Language: typoscript</p> <p>Allgemein Plug-In Zugriff</p> <p>2 Plug-In: <input type="text" value="Quellcode (beautyOfCode)"/></p> <p>2 Erweiterungsoptionen:</p> <p>DEF:</p> <p>beautyOfCode Optionen</p> <p>Beschriftung</p> <p>Programmiersprache <input type="text" value="PHP"/></p> <p>Quellcode <input type="button" value="edit"/></p> <pre>class tx_beautyofcode_pi1 extends tslib_pibase { var \$prefixId = 'tx_beautyofcode_pi1'; // Same as class name var \$scriptRelPath = 'pi1/class.tx_beautyofcode_pi1.php'; // Path to this script relative to the extension dir. var \$extKey = 'beautyofcode'; // The extension key. var \$pi_checkCHash = true; /** * The main method of the Plugin * * @param string \$content: The Plugin content * @param array \$conf: The Plugin configuration * @return The content that is displayed on the website */ }</pre>	<pre>01 class tx_beautyofcode_pi1 extends tslib_pibase 02 var \$prefixId = 'tx_beautyofcode_pi1'; // 03 class name 04 var \$scriptRelPath = 'pi1/class.tx_beautyofcode_pi1.php'; 05 // Path to this script relative to the extension dir. 06 var \$extKey = 'beautyofcode'; // The extension key. 07 var \$pi_checkCHash = true; 08 09 /** 10 * The main method of the Plugin 11 * 12 * @param string \$content: The Plugin content 13 * @param array \$conf: The Plugin configuration 14 * @return The content that is displayed on the website 15 */ 16 */</pre>
<p>Screenshot Backend</p>	<p>Screenshot Frontend (default theme)</p>

Users manual

Installation

- Install the extension via extension manager.
- Add the static template in your main typoscript (go to: list module, root page, page settings, tab: includes, add "beautyOfCode Syntax Highlighter").
- You need to add the jQuery core file yourself or use t3jquery extension (please see known problems)

Please note: I recommend to add one line in your localconf.php to force CDATA escaping within the flexforms in TYPO3. Please see know FAQ section.

Settings: Extension Manager

This step is optional, but you could define custom paths to the needed Java-Script files. This settings are used for the whole TYPO3 installation.

Property:	Data type:	Description:	Default:
baseUrl	String / TS object	Enter path to the res directory by using EXT: or FILE: or absolute path (http://your.domain.de/fileadmin/.../res/). Make sure the relative paths res/ and styles/ exists. Leave empty to use online repository. If you use online repository you shall not edit settings <i>styles</i> and <i>scripts</i> . More info about online hosting see: http://alexgorbatchev.com/wiki/SyntaxHighlighter:Hosting	EXT:beautyofcode/res/
scripts	String	Path to syntax highlighter core file and to the brushes (Java-Script files), relative to the <i>baseUrl</i> . Leave empty or default when using online repository.	scripts/
styles	String	Path to syntax highlighter css files (css themes), relative to the <i>baseUrl</i> . Leave empty or default when using online repository.	styles/
scriptUrl	String / TS object	Path to jquery.beautyOfCode.js file (use FILE: and EXT: or absolute path http://your.domain.de/...).	EXT:beautyofcode/res/jquery.beautyOfCode.js

[TYPO3_CONF_VARS.EXT.extConf.beautyofcode]

Configuration

Typoscript

Feel free to use the constant editor (go to: module template, root page, constant editor, beautyofcode) to edit this settings. Add Typoscript to overwrite these settings at any point in your sitetree(s).

Property:	Data type:	Description:	Default:
brushes	String	Loaded programming languages: Define which programming languages should be available. Less is more: every brush is lazy loaded a single js file. Add a seperated list out of: <i>AS3, Bash, ColdFusion, Cpp, CSharp, Css, Delphi, Diff, Erlang, Groovy, Java, JavaFX, JScript, Perl, Php, PowerShell, Python, Ruby, Scala, Typoscript, Sql, Vb, Xml</i> .	Xml,JScript,CSharp,Plain
theme	String	Define a theme (which is basically a CSS file). Following themes are available: Midnight, RDark, Default, Django, Eclipse, Emacs, FadeToGrey, FelixNagelv3 (which is dark minimal). Add your own in EXT:res/styles/	Default
wrap	wrap	Wraps the whole frontend plugin.	<div class="tx_beautyofcode_pi1"> </div>
label.show	boolean	If set to false the label is hidden.	1
Label.wrap	wrap	Wraps the label element.	
defaults.tab-size	Int	Specify a tabulator size. Tabulator chars will be changed to spaces.	4
defaults.toolbar	boolean	Show toolbar when mouseover the code in FE (with following functions: code in pop-up, copy to cliboard via swf, print, info about SyntaxHighlighter 2.0).	1
defaults.gutter	boolean	Show or hide gutter. Helps user to recognize correct line.	1
defaults.collapse	boolean	Allows you to force highlighted elements on the page to be collapsed. A link "show source" is displayed instead (not customizable yet).	0
defaults.wrap-lines	boolean	Allows you to turn line wrapping feature on and off. Recomendend to be enabled.	1

[tsref:plugin.tx_beautyofcode_pi1]

Tutorial

Add missing brushes

Please see <http://www.undermyhat.org/blog/2009/09/list-of-brushes-syntaxhighlighter/> for all available brushes. You need to edit the EXT:/pi1/class.tx_beautyofcode_addFields.php: add a case within the switch command to use your custom brush.

More information how to add a brush to my extension to come. Please contact me if you would like to see a brush in the next release, I will add it asap.

FAQ

No highlighting in FE

Did you include a jQuery core file? Please note that this extension does not support t3jquery completely. You need to activate the *Always integrate jQuery* [*alwaysIntegrate*] option.

I get a Java-Script error in FE

See above.

My input is encoded and saved without "<", ">", etc.

This is a server side problem within PHP 5 respective in the libxml module (1.6.32 and higher) with an existing work around.

Solution:

Add this line in your localconf.php in typo3conf directory.

```
$TYPO3_CONF_VARS['BE']['flexformForceCDATA'] = '1';
```

This fix is non breaking and works only for new added elements. Older flexform values could be fixed manually. This is a recommended default setting for every TYPO3 installation (see mailing list why).

Bug:

<http://bugs.typo3.org/view.php?id=9359>

Mailinglist Post:

[TYPO3-dev] A ticking ticking timebomb with libxml update to 2.7.1?

Known problems

- PHP5 and libxml module cause problems in some Installations. This is a server side problem with an existing work around. See known the FAQ.
- t3jquery extension is able analyze what jQuery components are necessary (t3jquery.txt file is existing), but no jQuery Java-Script files will be included. You need to activate the *Always integrate jQuery [alwaysIntegrate]* option. Help wanted!

To-Do list

- Full t3jquery support (see known problems)
- Make some language string in Java-Script customizable by TS. This is mainly a problem of Syntax Highlighter 2.0 asaik.
- Add a direct way to insert the FE Plugin.

ChangeLog

Please see ChangeLog file in extension directory: `typo3conf/ext/beautyofcode/`