

EXT: freeCap CAPTCHA

Extension Key: `sr_freecap`

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The content of this document is related to TYPO3 - a GNU/GPL CMS/Framework available from www.typo3.com

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Introduction

What does it do?

The freeCap CAPTCHA extension is a library that integrates into the TYPO3 framework the open source script [freeCap v1.4](#) and allows to add a CAPTCHA image on a frontend form.

Citing the author: «It can be used to prevent comment spam, guestbook spam, automated signups or any area of your website where you fear the evil spammers may target.»

For more information on CAPTCHA, see <http://en.wikipedia.org/wiki/Captcha>.

Credits

Open source script [freeCap](#) is authored by Howard Yeend.

This extension incorporates a script borrowed from extension Salutation Switcher (salutationswitcher) authored by [Oliver Klee](#) to allow to set formal or informal salutation mode.

Languages

The extension is currently available in Brazilian, Danish, English, French and German.

Users manual

This extension is a library for use by other extensions.

Steps to using the extension are the following:

Installing the extension

Install the extension using the Extension Manager.

Some default values may be configured using the TS Template Constant Editor. See the Configuration section.

Inserting the CAPTCHA in the HTML template

Insert in your HTML template a subpart marker similar to the following:

```
<!--###CAPTCHA_INSERT### this subpart is removed if CAPTCHA is not enabled! -->
```

```
<div class="tx-your-extension-id-p1-captcha">
  <label for="tx_your_extension_id_p1_captcha_response">###SR_FREECAP_NOTICE###</label>
  ###SR_FREECAP_CANT_READ###
</div >
```

```
<input type="text" size="15" id="tx_your_extension_id_p1_captcha_response"
name="tx_your_extension_id_p1_p1[captcha_response]" title="###SR_FREECAP_NOTICE###" value=""
###SR_FREECAP_IMAGE###
</br >
```

```
<!--###CAPTCHA_INSERT###-->
```

Class inclusion and instantiation

The `tx_freecap_p12` class may be used in any TYPO3 frontend plugin. Insert statements similar to the following in order to include it and instantiate it your script:

```
if ($lib_extMgm::isLoaded('sr_freecap')) {
  require_once($lib_extMgm::extPath('sr_freecap'), 'p2/class.tx_freecap_p2.php');
  $this->freeCap = $lib_extMgm::makeInstance('tx_freecap_p2');
}
}
```

Filling the CAPTCHA subpart marker

Insert statements similar to the following in order to fill the CAPTCHA subpart marker:

```
if ($is_object($this->freeCap)) {
  $markerArray = array_merge($markerArray, $this->freeCap->makeCaptcha());
} else {
  $subpartArray[###CAPTCHA_INSERT###] = "";
}
}
```

Method `makeCaptcha()` returns a marker array with filled in values for markers: `###SR_FREECAP_NOTICE###`, `###SR_FREECAP_CANT_READ###` and `###SR_FREECAP_IMAGE###`.

Checking the input string against the CAPTCHA string

Insert statements similar to the following in order to validate the string entered by the user in the CAPTCHA input field:

```
if ($is_object($this->freeCap) && !$this->freeCap->checkWord($your-form-data[captcha_response])) {
  do-something about-it
}
```

Method `checkWord($string)` returns true if the correct string was entered or false otherwise.

Configuration

TypoScript Constants Reference

Use the Constant Editor template tool to set these properties.

Property:	Data type:	Description:	Default:
imageHeight	int+	CAPTCHA image height: height of the generated image in pixels.	90
maxWordLength	int+	Maximum word length: maximum length of the CAPTCHA string when randomly generated.	5
textColor	boolean	Color of the text Possible values: 0 = one random color for all letters 1 = different random color for each letter.	1
imageFormat	string	CAPTCHA image format: Format of the generated image Possible values: png, gif, jpg	png
useWordList	boolean	Note: .jpg does not support background transparency. Use list of words: If enabled, the CAPTCHA string will be selected from a list of words. If not, it will be randomly generated.	1
defaultWordList	fileResource	Words list file for default language: All words lists should be in the same directory. Note: All words list files should be in the same directory as the default one. Note: The file name must end with '_ht_default_freecap_words' Note: If you create a file for another language, give it a similar name replacing 'default' with the TYPO3 language code (and send it to the author of this extension!).	EXT:src_freecap/1/ht_default_freecap_words
maxAttempts	int+	Maximum attempts: Maximum times a user can refresh the image.	100
backgroundType	string	Background type: If not set, will be random selection of possible types. Possible values: Transparent White with grid White with squiggles Morphed image blocks	
backgroundBlur	boolean	Background blurring: If enabled, the background will be blurred. The string should be easier to read.	1
backgroundMorph	boolean	Background morphing: If enabled, the background will be morphed (recommended).	1
morphFactor	decimal	Text morphing factor: Morphing factor applied to each character of the CAPTCHA string Note: for example, could be .8 or 1.1 Note: larger than 1 could make the text difficult to read. If set, should be either 'formal' or 'informal'.	1
salutation	string	Note: this property will change the salutation mode used in the labels displayed in the front end, provided that this is meaningful in the language being displayed and that translators have provided the informal version.	None

Known problems

None.

To-Do list

Would be nice to add words lists in other languages.

Change log

Version 0.1.0:

- Initial version.

Version 0.2.0:

- Incorporate salutation switching.

Version 0.2.2:

- Correct syntax error in class `Kx_freecap_pi1.php`.
- Add Brazilian and Danish translations.

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Version 0.2.3:

- Add German translation.

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