Captcha Plugin

Plugin Type:	Type 3 CDS-API Extension
Short Description:	Draw captchas for form input validation and validate the inputs with private and public key algorithm.
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Version:	1.0
Requirements	N/X 4.1 or later php GD2-extension installed

Introduction

Captchas are a common method to avoid spam from websites. For sure you have already seen one of those images:

The N/X Captcha Plugin allows you to automatically add form validation to your website. The image you see on top is rendered with random text and numbers. The user who fills out a form has to type this text into a form-field for sending the form properly.

Setup

There are no setup-steps required except to installing the plugin.

Usage

You can use the Captcha Plugin in your page templates. The code below illustrates its usage:

Display the input form:

```php
<?php

  // get the Captcha API from the CDS-API
  // The plugin must be installed! Otherwise this will not work.
  $captchaAPI = $cds->plugins->getApi(„Captcha");
```

```php
  echo '<form method="POST">';
  // ... any form elements and html is going here.

  // draw the Captcha validation elements:
  echo $captchaAPI->get("Please enter the validation code:");

  echo '<input type="submit" name="submit">';
  echo '</form>';
?>
```

Do the validation

```php
<?php

  // get the Captcha API from the CDS-API
  // The plugin must be installed! Otherwise this will not work.
  $captchaAPI = $cds->plugins->getApi("Captcha");

  $validationSuccessful = $captchaAPI->validate();
  ....
```

Customization

The Plugin-API is located in the file plugins/captcha/pgn_captcha.php. The captcha ist drawn with the Captcha class of Horst Nogajski „HN Captcha". The captcha class file is located in the same directory and is named hn_captcha.class.php.

You can use other ttf-fonts by editing the pgn_captcha.php file and adjust the configuration of the captcha setup:

```php
        $CAPTCHA_INIT = array(
        'tempfolder'     => $c['tmpcachepath'],      // string: absolute path
(with trailing slash!) to a writeable tempfolder which is also accessible via
HTTP!
        'TTF_folder'     => $c["path"].'plugin/captcha/', // string: absolute
path (with trailing slash!) to folder which contains your TrueType-Fontfiles.
        'TTF_RANGE'      => array('geeker.ttf'),

        'chars'          => 5,        // integer: number of chars to use for
ID
        'minsize'        => 20,       // integer: minimal size of chars
        'maxsize'        => 30,       // integer: maximal size of chars
        'maxrotation'    => 25,       // integer: define the maximal angle
for char-rotation, good results are between 0 and 30

        'noise'          => FALSE,    // boolean: TRUE = noisy chars | FALSE
= grid
        'websafecolors'  => FALSE,    // boolean
        'refreshlink'    => TRUE,     // boolean
        'lang'           => 'en',     // string:  ['en'|'de']
        'maxtry'         => 3,        // integer: [1-9]
        'secretstring'   => 'A very, very scrt string which is used to
generate a md5-key!',
        'secretposition' => 13,       // integer: [1-32]
        'debug'          => FALSE
        );
```