Integration Manual for FCKEditor for CMSimple, Version 2.2.1

1. Introduction

   a) Why **FCKeditor4CMSimple**?
   CMSimple is a *ContentManagementSystem*.
   FCKEditor is a *RichTextEditor* for WebAplications.
   So **FCKEditor** is the ideal companion for **CMSimple**!

   This manual describes the integration of **FCKeditor** in CMSi**mp**le 2.9 and higher.
   We use **FCKeditor** 2.6.2, released on June 24, 2008.
   FCKeditor is a RichTextEditor for Websites and can be integrated in any application.
   The homepage of the Editor:
   FCKeditor Version 2.6, released April 2008: http://www.fckeditor.net/

   b) **FCKeditor** has some advantages compared with the standard *OEDIT* or with the
   often used T*inyMCE-Editor.*
   To name a few:

   File-Management:
   — include links to URL, Anchor or Mailto:
   — define the Link-Protocol: http://, https://, ftp://, news:// or other
   — define target-window and target-name of the link
   — define a lot of attributes for the link in the EXTENDED-Tab: codepages,
   names, titles etc link to local files at the server (for download), even in a
   multi-lingual installation or
   — upload files to dedicated folders for different types of files
   — include CMSimple Internal links easily

   Image-Management:
   — images can be integrated more comfortable and the image-integration
   offers more attributes than the other editors: padding, border, alignment
   etc.
   — there is a preview for checking the different settings for the image
   — the Resource-Browser allows to search the different folders, to upload files
   and create new folders

   MultiMedia-Integration:
   — include flash-files
   — include flv-files and mp3-files

   Easy to use Editor with many advantages:
   — Table editing
   — Edit image
   — Define CSS for use in the editor
   — and even more features …

c) We install FCKeditor *in* a special "CMSimple Version 2.2.1" :

 — fit to run smoothly in the CMSimple environment
  — some small nice plugins added
  — a special toolbar with commands which do make sense in CMSimple
  — it offers intensive table-support
  — supported File-Upload using the Link-Button, the Image-Button or the Flash-Button with integrated FileBrowser
  — integrated linking to CMSimple-pages
  — support of multilingual-installation and crosslinking between pages in different languages
  — all files which come with the standard FCKEditor-release, but are not used with PHP, are stripped from the package to keep it small, there is no need for Python, Perl or ASP
  — all configuration files sit in a dedicated subfolder of the folder /FCKeditor, in /FCKEditor/custom_configurations, so no configuration will affect the core-files of FCKEditor and no configuration will be overwritten by a future upgrade
  — We integrate the FCKeditor release `FCKeditor 2.6.2`, released on June 24, 2008, which brings a lot of bugfixes, see `http://www.fckeditor.net/whatsnew`
  — Default language set to autodetected browser language with fallback to english in case of error or missing langage file
  — For easier updates, all CMSimple or user related configuration files are renamed and moved to a folder called /FCKeditor/custom_configurations/
  — Auto-detect the base upload folder (./images) for use with file uploading
  — Internal linking between CMSimple pages is now integrated as a real FCKeditor-Plugin called "SiteLink" by Klaus Treichler, which is completely rewritten to be compatible with PHP from up Version 4.1.0
  — Internal Links now work "cross-language" from <H1> to <H4> menuelevel
  — This editor-integration is safe:
  — /cmsimple/fckeditor.php direct - access check integrated
  — Filebrowser integration: Enhanced security check integrated
  — For more information about the differences between the different releases check the change log!
  — Fortunately now FCKeditor is working with OPERA 9, so you can edit your websites with our favourite editor even in OPERA

d) What is new in **FCKEditor for CMSimple 2.2.1**:
  — We fixed a bug with special characters, which were converted by "htmlentities"-functions. This caused some problems.

e) **The package contains three folders:**

  — the folder `/cmsimple` which contains fckeditor.php, the bridge from CMSimple to FCKEditor
  — the folder `/FCKeditor` which contains everything what is necessary for the editor functionality
  — the folder `/manuals` which contains this manual and all other information files as well
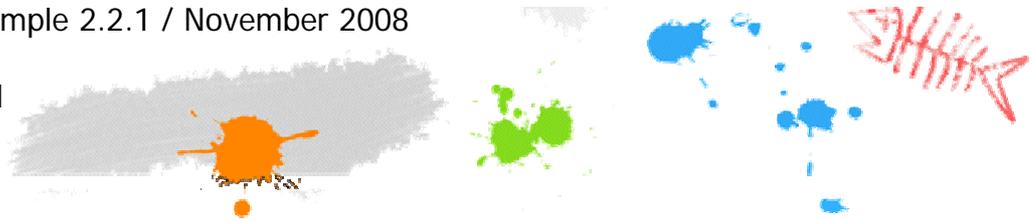
f) For future Editor-Updates, here is the list of all files, which should not be overwritten, so take care whenever you upgrade the editor.
This information is important, if you are going to update FCKeditor yourself, not the editor-version which might come with a future new version of `FCKEditor for CMSimple`:
— `/cmsimple/fckeditor.php`
— `/FCKeditor/custom_configurations/*.*`
— `/FCKeditor/editor/plugins/sitelink/*.*`
— `/FCKeditor/editor/filemanager/connectors/php/config.php`

2. Installation

a) Unpack
If you haven't done already unzipped the package, do this now and take care to keep the folderstructure.
A basic CMSimple-Installation shows this structure:

```
┌index.php
├ 2lang
├ cmsimple
├──  => place here fckeditor.php
├ content
├   => here goes FCKeditor folder
├ images
├ plugins
└-templates
```

b) **First Install** of FCKeditor for CMSimple

— upload the the file `fckeditor.php` into the folder /cmsimple in your CMSimple-Installation at your webspace (where cms.php sits)
— upload the content of the folder `FCKeditor` to your CMSimple-Main-Directory into a `folder /FCKeditor`
!! note the name must be in Upper- and Lower-Case, FCKeditor !!
— log in into CMSimple and navigate to
`settings => configuration => editor => editor_external`
enter here: `fckeditor` in lowercase!
— From now on FCKEditor should load when you start to editing in CMSimple.

c) **Upgrade** from an earlier version of FCKeditor for CMSimple

The folderstructure is always the same, so

— Do a backup of your files at the server, if you have an older version,
— Rename or delete the folder /FCKeditor at your webspace
— Then upload the files to your webserver:
— If everything works well you may now delete the old, renamed FCKEditor-folder
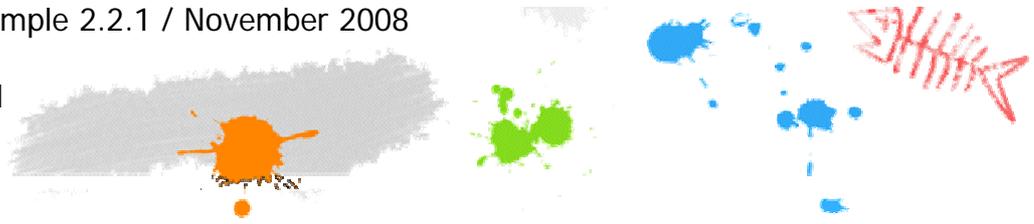
3. Further **Configuration and Fine-Tuning**

Please notice that since `FCKEditor for CMSimple Version 2.2.0` all configurations
will be stored in `/FCKeditor/custom_configurations/`.
For easier updates, please apply all your configuration changes to
`/FCKeditor/custom_configurations/fckconfig_cmsimple.js`
and/or move other changed configuration files to this folder as well.
By this, all configurations are stored at one place and will not be overwritten by future
editor-upgrades.

a) The first setting is very important:
To get valid HTML- or XHTML-Output and to guarantee that your CMSimple-
Websites produce correct results when validating them, make sure that the
DOCTYPE, which is set in your template.html in the active CMSimple-template-
folder, must comply to the Editor-Configuration as well.
The FCKEditor-version, which we install now (`FCKeditor 2.6.2`), supports the
`HTML4 doctype` explicitly.

— Check the DOCTYPE-Declaration of your actual template

— If your template uses another *DOCTYPE* than HTML4, you must define that in
the configuration file, enter the correct notation here:

```
FCKConfig.DocType = '<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0
Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-
transitional.dtd">';
```

— In case you define XHMTL-Output, there is a third setting which must comply:
check in `settings => configuration => endtags`:
Endtags should be set to `true`

b) To adjust the editarea to your website style, it's recommended to apply the basic
css - settings of your template to
`/FCKeditor/custom_configurations/custom_fck_editorarea.css`.

Anyway, you can try to use your template-css by setting
`$Use_Template_Css = true;` in `/cmsimple/fckeditor.php`

c) To apply your styles to the editors style-dropdownlist edit the file
`/FCKeditor/custom_configurations/custom_fckstyles.xml`

d) To apply templates to FCKeditors template-button edit the file
`/FCKeditor/custom_configurations/custom_fcktemplates.xml`

e) All other changes should be made in the fckconfig_cmsimple-file
`/FCKeditor/custom_configurations/fckconfig_cmsimple.js`

f) You may define the dialogue language for FCKeditor which you want to use.
The editor comes with 54 language files, which are located in the folder
`/FCKeditor/editor/lang`

Per default, the editor should autodetect the actual language which your browser uses:
`FCKConfig.AutoDetectLanguage    = true ;`
but if there is no language file for that language, the editor „falls back" to the language which you define here and which is set as default language:
it is set to en for english.

If you whish to change this, edit in line # 105
`FCKConfig.DefaultLanguage = 'en' ;`

Here you can change the value, but take care that the corresponding language file exists in the folder `/FCKeditor/editor/lang`!

To use german language for example, you will need to set the value to `de` and you should check that the file `FCKeditor/editor/lang/de.js` exists at your webserver in the language folder.

g) You might also change the line-direction which is set to `ltr` (left to right) to `rtl` (right to left) in line #106:

`FCKConfig.ContentLangDirection = 'ltr' ;`

h) if you do not like the „theme" of the editor, which is set to silver by default, you may switch to one of the other skins, which come with the installation:
office2003 or *default*:

`FCKConfig.SkinPath = FCKConfig.BasePath + 'skins/silver/' ;`

Other skins which you may install can be found at
`http://sourceforge.net/tracker/?atid=740153&group_id=75348&func=browse`
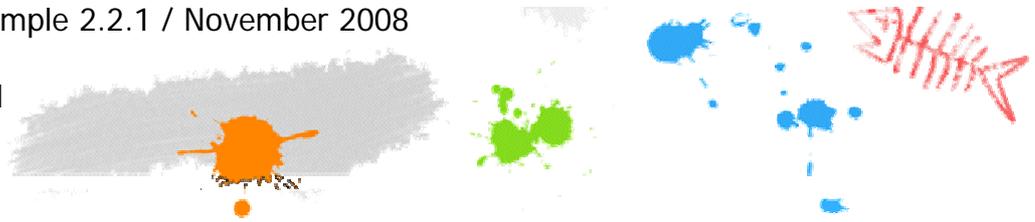
4.FCKeditor-Plugins

The Editor comes with some plugins, which we added to the package because they are useful and expand the functionality of the editor.
These plugins offer upload and integration of multimedia-content as well as the linking between CMSimple pages. This internal linking does not only work between pages of the same language, the interlinking between files in different languages is supported as well.
All Plugins are defined in the file `fckconfig_cmsimple.js` in the folder `FCKeditor\custom_configurations` and the plugins must be stored in the folder `FCKeditor\editor\plugins`.

The package FCKeditor for CMSimple 2.2.1 contains the following plugins:
- sitelink
- nbsp
- flvPlayer
- dragresizetable
- tablecommands

a) **Sitelink, the plugin for CMSimple - internal linking**
Unlike the built-in-editor `OEDIT`, `FCKeditor` does not offer a dropdown-box which lists all available pages of your CMSimple-Installation. The editor offers a special button in the toolbar instead:
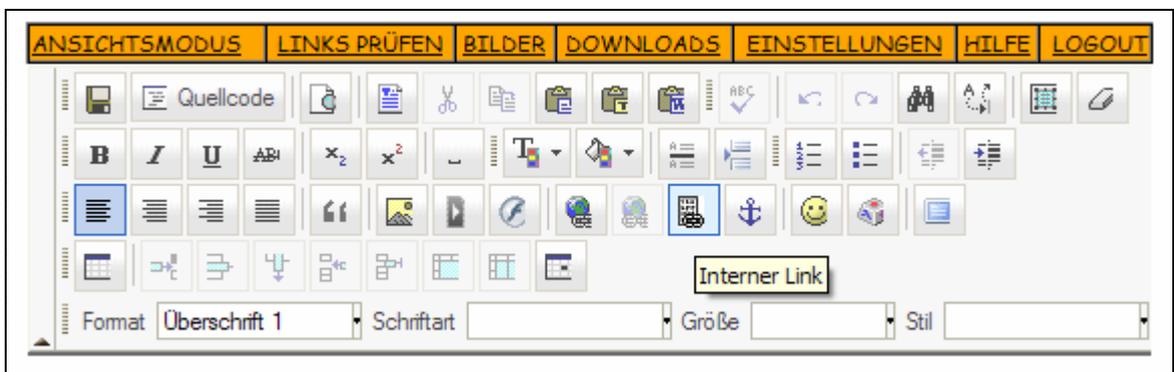
You find this button beside the links for setting or unsetting weblinks.
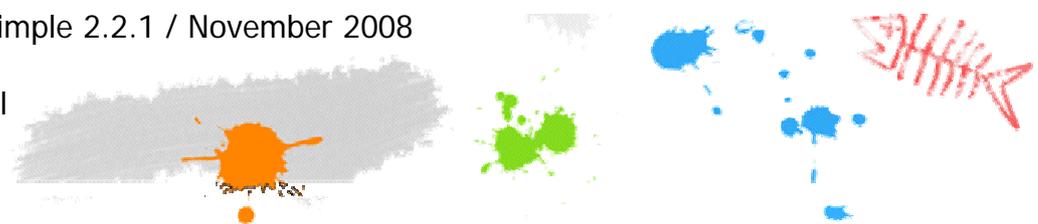
Mark the text, which you will use as internal link and click on that button:

Click on one of the listed pages and the link will be set.

It is also possible now to link to pages which are part of another language in your website:
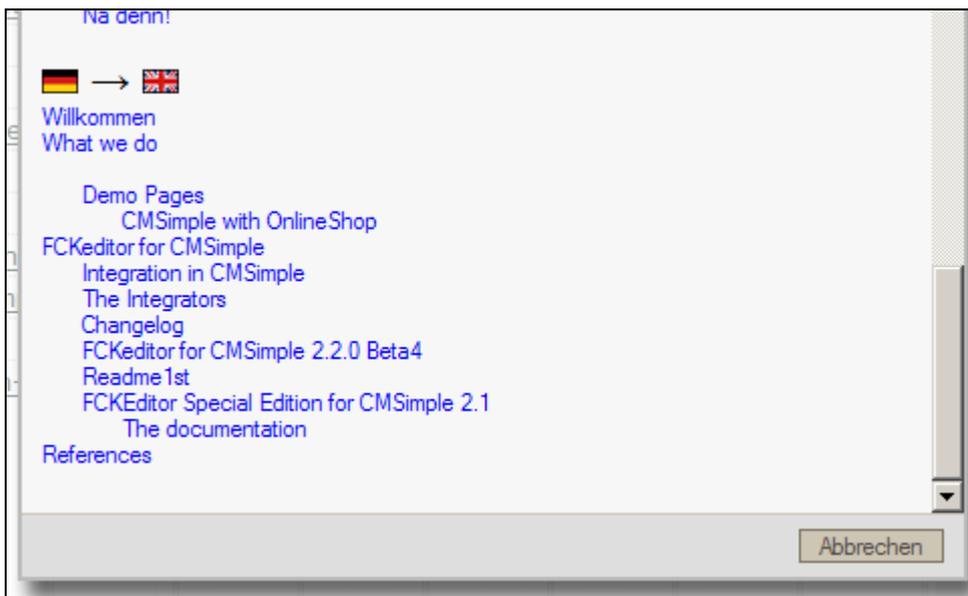
So the goal of cross-language-interlinking in CMSimple is realized!

b) Multi-Media-Files-Integration / FLV-Player

— To upload and **integrate** Multi-Media-Files with the editor, you will use these buttons:

= integrate image files which are already on your server or upload files

= integrate or upload and integrate movie-files and MP3-files , note that you can define an image which will sit above of the player controls

= integrate or upload and integrate Flash files

= set links to external URLs, to internal CMSimple Pages, upload files which will be stored in the file-folder and which can be integrated as download links (PDF for example)

= if you want to use other smileys than the standard smileys which come with FCKeditor, you can easily define others:
the path to the smileys and the filenames of the smileys are defined in `fckconfig.js`

```
FCKConfig.SmileyPath                    = FCKConfig.BasePath + 'images/smiley/msn/' ;
    FCKConfig.SmileyImages               =
    ['regular_smile.gif','sad_smile.gif','wink_smile.gif','teeth_smile.gif','confused
    _smile.gif','tounge_smile.gif','embaressed_smile.gif','omg_smile.gif','whatchutal
    kingabout_smile.gif','angry_smile.gif','angel_smile.gif','shades_smile.gif','devi
    l_smile.gif','cry_smile.gif','lightbulb.gif','thumbs_down.gif','thumbs_up.gif','h
    eart.gif','broken_heart.gif','kiss.gif','envelope.gif'] ;
    FCKConfig.SmileyColumns              = 8 ;
    FCKConfig.SmileyWindowWidth          = 320 ;
FCKConfig.SmileyWindowHeight          = 240 ;
```

— To fully use all uploading capabilities of `FCKeditor`, the folllowing folders in your `/images`-directory are necessary.
`FCKeditor` will create them for you at the first upload, but when your server runs in activated `SAFE MODE`, you must create the directories manually using your FTP-program and chmod these directories to "777"

You need a tree like this:
```
/"your CMSimpleRoot"/images/
/"your CMSimpleRoot"/images/file
/"your CMSimpleRoot"/images/flash
/"your CMSimpleRoot"/images/media
```
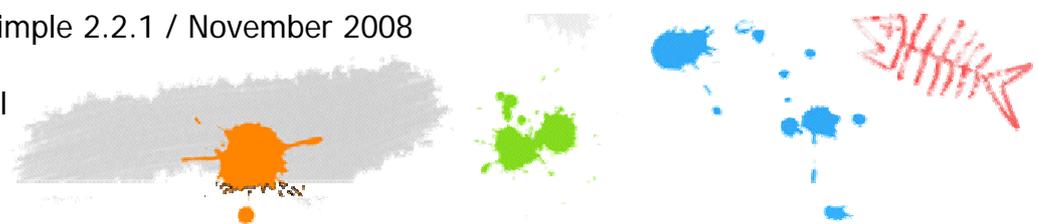
see a screenshot of a working installation:
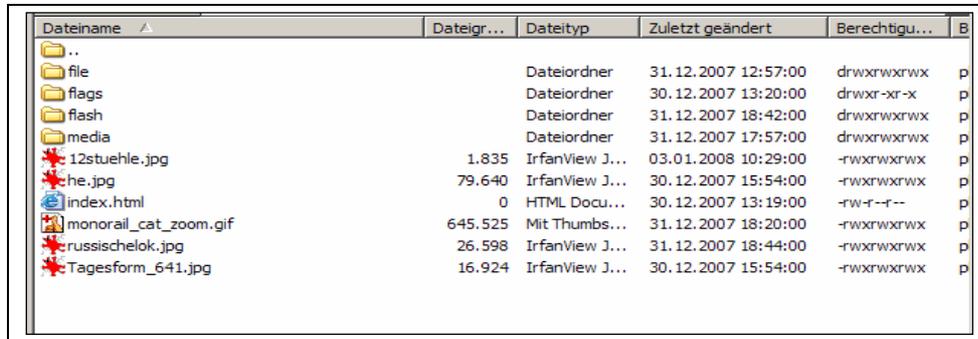
— Troubleshooting

- To test whether it is possible to upload files with FCKeditor, you can use testfiles, which are part of the package and which are uploaded to your service together with the editor-files:

  `test.html` and `uploadtest.html`
  These files sit in the folder `\FCKeditor\editor\filemanager\connectors` but because of security, are renamed to txt-files:
  `test.html.txt` and `uploadtest.html.txt`

  Rename them back and test:
  if you are not logged in in CMSimple, they will not work, if you are logged in and they still don't upload files, you will get clear notices why the upload failed.

- In some cases you may run into trouble with your existing `/images-folder` and the first fileupload will not work.
  In this case use your ftp-client, rename your `/images-folder` and let FCKeditor create a new folder.
  Maybe you have to set the permissons of the new folder to `0777`
  Then copy your image-files to that new folder.

- Some cases were reported, where the Filemanager did not work, did not show the files in the upload-folders.
  Like always, explanation is simple if you know the reasons `;=)`

  The configuration for the Upload-Feature defines which file-types are allowed for each directory, as there are:

  Image-folder: only files with the following extensions: `gif`, `jpeg`, `jpg` or `png`

  Flash-Folder: only files with the following extensions: `swf`, `flv` or `mp3`

  File-Folder: only files with the following extensions: `7z, aiff, asf, avi, bmp, csv, doc, fla, flv, gif, gz, gzip, jpeg, jpg, mid, mov, mp3, mp4, mpc, mpeg, mpg, ods, odt, pdf, png, ppt, pxd, qt, ram, rar, rm, rmi, rmvb, rtf, sdc, sitd, swf, sxc, sxw, tar, tgz, tif, tiff, txt, vsd, wav, wma, wmv, xls, xml, zip`

So, if you keep other files than the permitted filetypes there, the FCKEditor-Filemanager will stop to work!

So if you have placed a **HTML-file** in the image-folder, this file is not of any allowed filetype and the FileManager stops working!!

Sometimes `index.html`-Files are used to block any browsers to list the content of the directory. This is not a good idea for these folders …

Most hosting domain managing panels offer the option to stop indexing of folder content, mostly called "*index manager*".

c) **NBSP** is a very simple plugins, but it can be helpful: it adds a button to enter a non-breaking-space in your text:
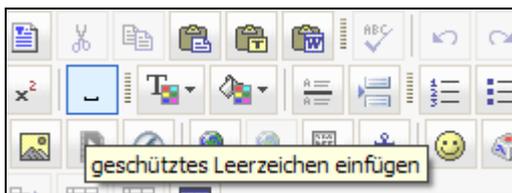
d) **Tablecommands** and **dragresizetable** are plugins which offer comfortable table-editing.

5. Links

   a) <u>Links to CMSimple:</u>

     — CMSimple Homepage: http://www.cmsimple.com
     — CMSimple Open Forum: http://www.cmsimpleforum.com
     — CMSimple Commercial Forum: http://www.cmsimple.com/forum/
     — Wiki: http://www.cmsimplewiki.com/doku.php/editors/fckeditor_modified

   b) <u>Links to FCKeditor:</u>

     — Homepage: http://www.fckeditor.net
     — Developers' Guide: http://docs.fckeditor.net/FCKeditor_2.x/Developers_Guide
     — Users' Guide: http://docs.fckeditor.net/FCKeditor_2.x/Users_Guide
     — FCKeditor Forum: http://www.fckeditor.net/forums/viewforum.php?f=1
     — Whats new: http://www.fckeditor.net/whatsnew
     — FCKeditor SourceForge-Plugins-Page:
       http://sourceforge.net/tracker/?atid=737639&group_id=75348&func=browse
     — FCKeditor SourceForge-Skins-Page:
       http://sourceforge.net/tracker/?atid=740153&group_id=75348&func=browse

   c) <u>Links to the people</u> who contributed to this tutorial:

     — Connie Müller-Gödecke: http://www.webdeerns.de
     — Holger Irmler   http://www.cmsimpleforum.com
     — Klaus Treichler: http://www.treichler.at

    If you have any questions concerning FCKeditor in CMSimple, do not ask us by personal mail.
We compiled this information for you.
All questions can be answered in the forum, so decide whether your problem is a CMSimple-problem and ask in the CMSimple Forum or whether it is a FCKeditor-Problem and checkout the Editor Websites.

6. <u>Rights, Copyrights etc.:</u>

    The rights for CMSimple: http://www.cmsimple.dk/?Licence
The rights for FCKeditor: http://www.fckeditor.net/license

    The images which are not screenshots are taken from the website-template *canvass* by http://www.freecsstemplates.org, which is the basis for the CMSimple-Layout at http://www.webdeerns.de