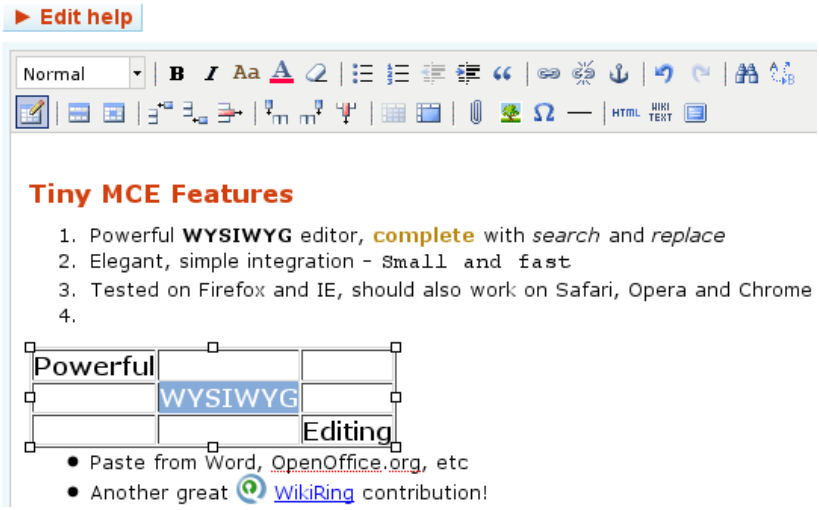
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TinyMCEPlugin

Integration of the Tiny MCE WYSIWYG Editor



This is an integration of the fast and highly functional WYSIWYG editor. It supports a wide range of browsers, including Firefox, IE, Safari, Opera and Google Chrome (see compatibility chart). At the time of writing it doesn't work with Konqueror.

The integration uses the to translate text to and from a format that TinyMCE can edit.

This plugin is able to swap out *standard* text areas and replace them with WYSIWYG editors. This means you get WYSIWYG editors for textareas in forms, as well as for the main text of the topic. It can also co-exist alongside other WYSIWYG editors.

The editor automatically "switches itself off" (i.e. reverts to the old text-only window) when editing topics that contain Foswiki content it can't handle, such as complex macros.

Editor Notes

The editor uses a translator module to convert from Foswiki Topic Markup Language (TML) to HTML and back. The translator converts special macros - such as %MACROS% - to plain text, and encloses them within HTML spans using a special style called `WYSIWYG_PROTECTED`. In this way the editor can detect text that is not meant to be HTML formatted. This style is *also* used to protect special text you enter into the editor from being interpreted when the topic is translated back into TML. If you want to add any special features that are sensitive to formatting, such as `Set` statements, then you should format those regions using 'Protect on save' or 'Protect forever'.

Installation Instructions

NOTES:

- This plugin comes pre-installed on Foswiki. You should only need to re-install if there is an upgrade to the plugin.
- It requires the very latest revision of WysiwygPlugin.

- When installed, it **replaces** the old "textarea" editor. You may still access the plaintext editor with the "Wiki Text" button provided in the toolbar, however this does not necessarily give you the original raw topic content. To bypass the TML to HTML conversion process entirely, use the Raw Edit link provided by the default Foswiki skin at the bottom of the page.

First follow the installation instructions to install the Plugin:

You do not need to install anything in the browser to use this extension. The following instructions are for the administrator who installs the extension on the server.

Open configure, and open the "Extensions" section. Use "Find More Extensions" to get a list of available extensions. Select "Install".

If you have any problems, or if the extension isn't available in `configure`, then you can still install manually from the command-line. See http://foswiki.org/Support/ManuallyInstallingExtensions for more help.

- **Enable** the WysiwygPlugin in `configure`.
- **Enable** the TinyMCEPlugin in `configure`.
- **Click** on edit of any topic.

Preferences

No preferences are stored in this topic. The example settings here have no effect. To learn more about setting preference variables, see the PreferenceSettings topic.

`TINYMCEPLUGIN_INIT`

This variable holds all the options passed to the TinyMCE editor on startup. For a full explanation of available TinyMCE options, and guidance on reconfiguring TinyMCE, see the Moxicode TinyMCE Wiki.

The default options are as follows (you will need to remove the newlines for your own `TINYMCEPLUGIN_INIT` string). Note the inclusion of the Pattern Skin standard CSS files in the `content_css` setting.

```
mode:"textareas",
editor_selector : "foswikiWysiwygEdit",
save_on_tinymce_forms: true,
cleanup : true,
theme : "advanced",
convert_urls : true,
relative_urls : false,
remove_script_host : false,
dialog_type: "modal",
extended_valid_elements : "li[type]",
forced_root_block : false,
setupcontent_callback : FoswikiTiny.setUpContent,
urlconverter_callback : "FoswikiTiny.convertLink",
foswikipuburl_callback : "FoswikiTiny.convertPubURL",
save_callback : "FoswikiTiny.saveCallback",
%IF{"$TINYMCEPLUGIN_DEBUG" then="debug:true,"}%
plugins : "table,searchreplace,autosave,paste,safari,inlinepopups,fullscreen,foswikibutton
foswiki_secret_id : "%WYSIWYG_SECRET_ID%",
```

```
foswiki_vars : { PUBURLPATH : "%PUBURLPATH%", PUBURL : "%PUBURL%", WEB : "%WEB%", TOPIC :
theme_advanced_toolbar_align : "left",
foswikibuttons_formats : [
{ name: "Normal", el: "div", style: null },
{ name: "Heading 1", el: "h1", style: null },
{ name: "Heading 2", el: "h2", style: null },
{ name: "Heading 3", el: "h3", style: null },
{ name: "Heading 4", el: "h4", style: null },
{ name: "Heading 5", el: "h5", style: null },
{ name: "Heading 6", el: "h6", style: null },
{ name: "VERBATIM", el: "pre", style: "TMLverbatim" },
{ name: "LITERAL", el: "span", style: "WYSIWYG_LITERAL" },
{ name: "Protect on save", el: null, style: "WYSIWYG_PROTECTED" },
{ name: "Protect forever", el: null, style: "WYSIWYG_STICKY" }
],
paste_create_paragraphs : true,
paste_create_linebreaks : false,
paste_convert_middot_lists : true,
paste_convert_headers_to_strong : false,
paste_remove_spans: true,
paste_remove_styles: true,
paste_strip_class_attributes: "all",
theme_advanced_buttons1 : "foswikiformat,separator,bold,italic,tt,colour,removeformat,sepa
theme_advanced_buttons2: "tablecontrols,separator,attach,image,charmap,hr,separator,code,h
theme_advanced_buttons3: "",
theme_advanced_toolbar_location: "top",
theme_advanced_resize_horizontal : false,
theme_advanced_resizing : true,
theme_advanced_path: false,
theme_advanced_statusbar_location : "bottom",
keep_styles : false,
content_css : "%PUBURLPATH%/%SYSTEMWEB%/TinyMCEPlugin/wysiwyg%IF{"$TINYMCEPLUGIN_DEBUG" th
```

Settings

Variable	Default	Description
TINYMCEPLUGIN_INIT	As above	Holds the initialization parameters used to start TinyMCE
TINYMCEPLUGIN_INIT_browser	See Browser Specific Settings below	Add extra parameters to TINYMCEPLUGIN_INIT string for a specific _browser
TINYMCEPLUGIN_DISABLE	0	If set to 1, disables TinyMCEPlugin. *Please use* NOWYSIWYG *instead*
NOWYSIWYG	0	If this global setting is set to 1, TinyMCEPlugin (and all other WYSIWYG editors) will be disabled.
TINYMCEPLUGIN_BAD_BROWSERS	(?i-xsm:Konqueror)	A regular expression that matches the user-agent string of any browser for which TinyMCE should not be loaded.
TINYMCEPLUGIN_DEBUG	0	If set to 1, the uncompressed version of TinyMCE Javascript and CSS sources will be loaded by the browser. Useful for debugging.

Browser Specific Settings

Additional options may be set for specific browsers. You can define extra options for MSIE, OPERA, GECKO and SAFARI. For example,

```
* Set TINYMCEPLUGIN_INIT_MSIE = paste_auto_cleanup_on_paste : false
```

The defaults are:

```
MSIE => '',
OPERA => '',
GECKO => 'gecko_spellcheck : true',
SAFARI => '',
```

Additional TinyMCE Plugins

Documentation for standard plugins shipped with TinyMCE can be found at http://wiki.moxiecode.com/index.php/TinyMCE:Plugins.

Some notable plugins:

Plugin Name	Toolbar buttons	Description	Notes
autoresize	-	Automatically resizes the editor to the content inside it	
emotions	emotions	Insert smiley images into the TinyMCE editable area	
iespell	iespell	Provides spell check for Internet Explorers	
insertdatetime	insertdate, inserttime	Provides buttons to insert customised date and time strings	
media	media	Handles embedded media such as QuickTime, Flash, ShockWave, RealPlayer and Windows Media Player	Requires customisation of edit templates
paste	pastetext, pasteword, selectall	*Enabled by default in Foswiki*	Added here to show extra toolbar buttons that are available
spellchecker	spellchecker	Adds spellchecker functionality to TinyMCE by providing a new button that performs a AJAX call to a backend PHP page that uses PSpell/ASpell or Google spellchecker	
style	styleprops	Adds CSS style editing support to TinyMCE, this will enable you to edit almost any CSS style property in a visual way.	Generally, HTML/CSS markup in topics is **not** desirable
visualchars	visualchars	Adds the possibility to see invisible characters like ` `	
wordcount	-	Display the number of words down in the right corner of the editor.	
xhtmlxtras	cite, ins, del, abbr, acronym	Adds support for some XHTML elements, including cite, ins, del, abbr, and acronym.	Generally, XHTML markup in topics is **not** desirable. Foswiki plugins exist to provide similar functions with more friendly TML markup

Frequently Asked Questions

The topic TinyMCEFrequentlyAskedQuestions contains more help with things like: "How do I configure the buttons in my skin?", "How do I disable the WYSIWYG?" etc.

WysiwygPlugin Settings

TinyMCEPlugin depends on WysiwygPlugin to do the conversions from HTML to TML (Topic Markup Language) and back again. For more information, see WysiwygPlugin.

WYSIWYG_EXCLUDE - Prevent WYSIWYG editing

This is not supported currently by the TinyMCE Editor. This setting is not used.

The **global** preference setting `WYSIWYG_EXCLUDE` can be set to make the plugin sensitive to what is in a topic, before allowing it to be edited. You can set it up to veto an edit if the topic contains:

- `html` - HTML tags (e.g. `<div>`, not including <br>), or
- `macros` - simple macros (e.g. `%VAR%`) or
- `calls` - macros with parameters e.g. `%MACRO{...}%`
- `pre` blocks (`<pre>`)
- HTML `comments` (`<!-- ... -->`)

If the plugin detects an excluded construct in the topic, it will refuse to allow the edit and will redirect to the default editor.

WYSIWYG_EDITABLE_CALLS - Exceptions to WYSIWYG_EXCLUDE

If you excluded `calls` in `WYSIWYG_EXCLUDE`, you can still define a subset of macros that do **not** block edits. this is done in the **global** preference setting `WYSIWYG_EDITABLE_CALLS`, which should be a list of macro names separated by vertical bars, with no spaces, e.g: `* Set WYSIWYG_EDITABLE_CALLS = COMMENT|CALENDAR|INCLUDE`

You should set `WYSIWYG_EXCLUDE` and `WYSIWYG_EDITABLE_CALLS` in SitePreferences, or in WebPreferences for each web.

WYSIWYGPLUGIN_STICKYBITS - Protext tags based upon their arguments

You can define the global preference `WYSIWYGPLUGIN_STICKYBITS` to stop the plugin from ever trying to convert specific HTML tags into TML when certain specific attributes are present on the tag. This is most useful when you have styling or alignment information in tags that must be preserved.

This preference setting is used to tell the translator which attributes, when present on a tag, make it "stick" i.e. block conversion back to TML.For example, setting it to `table=background,lang;tr=valign` will stop the translator from trying to convert any `table` tag that has `background` or `lang` attributes, and any `tr` tag that has a `valign` attribute back to Foswiki `| table | column |` markup.

This setting is used only after the page has been processed by the editor. If the editor does not support a particular tag or attribute and the editor corrupts the tag, this setting will not be helpful. It is only used to prevent an HTML tag from being converted back to TML.

Format of the setting is `tag1=attrib,attrib;tag2=attrib`. Attributes delimited by comma, and tags delimited by semicolon.

- The left side of the equal sign is the tag.
- The right side of the equal sign is a comma delimited list of attributes to be matched.

If a matching tag is found, that matches any of the attributes listed, the tag will not be converted back to TML. You can use perl regular expressions to match tag and attribute names, so `.*=id,on.*` will ensure that any tag with an id or `on*` event handler is kept as HTML.

The default setting for this preference are hard coded in the plugin. If you wish to change the settings, the following list is the default setting coded in the plugin:

```
* Set WYSIWYGPLUGIN_STICKYBITS = .*=id,lang,title,dir,on.*;
 A=accesskey,coords,shape,target;
 BDO=dir;
 BR=clear;
 COL=char,charoff,span,valign,width;
 COLGROUP=align,char,charoff,span,valign,width;
 DIR=compact;
 DIV=align,style;
 DL=compact;
 FONT=size,face;
 H[0-9]=align;
 HR=align,noshade,size,width;
 LEGEND=accesskey,align;
 LI=value;
 OL=compact,start,type;
 P=align;
 PARAM=name,type,value,valuetype;
 PRE=width;
 Q=cite;
 TABLE=align,bgcolor,frame,rules,summary,width;
 TBODY=align,char,charoff,valign;
 TD=abbr,align,axis,bgcolor,char,charoff,headers,height,nowrap,rowspan,scope,valign,wid
 TFOOT=align,char,charoff,valign;
 TH=abbr,align,axis,bgcolor,char,charoff,height,nowrap,rowspan,scope,valign,width,heade
 THEAD=align,char,charoff,valign;
 TR=bgcolor,char,charoff,valign;
 UL=compact,type
```

If you edit using the plain-text editor, you can use the <sticky>..</sticky> tags to delimit HTML (or TML) that you do **not** want to be WYSIWYG edited.

Known Issues

- Applying formats such as Headings, Verbatim, Normal, etc:
  - In Safari 4 and Google Chrome 3, selecting a format works but then the cursor is lost; subsequent changes require the user to first click the region to be formatted before each change.
  - In some versions of Microsoft Internet Explorer 6, applying formats does not work:
    - 6.0.2900.5512: Known to work.
    - 6.0.2900.2180: Known to have problems.
- "Normal" format depends on WysiwygPlugin flattening `<div>` tags

Check regularly at for updates.

Plugin Info

Another great Foswiki extension from the **WikiRing** - working together to improve your wiki experience!

Author:	Crawford Currie
Copyright:	© 2007-2009 Crawford Currie http://c-dot.co.uk
License:	GPL (Gnu General Public License)
	This package also includes the complete sources for version 3.2.7 of the TinyMCE editor which is covered by its own license.
Version:	6527 (2010-02-26)
Release:	26 Feb 2010
Change History:	
19 Feb 2010	Foswikitask:Item8566: Fix for sites with latest JQueryPlugin where IE users get: "Unable to install TinyMCE; <META..."
29 Dec 2009	Foswikitask:Item2447: Fix unable to apply "Normal" format in some browsers (notes added to System topic) Foswikitask:Item1462: Block attachments to unsaved AUTOINC topics
25 Nov 2009	Foswikitask:Item2412: Inserting images - fixed a problem where it wasn't easy (impossible unless > 1 attachments) to select the first image in the attachment list; improved layout of dialog window where preview obscures insert/cancel buttons.
09 Nov 2009	Foswikitask:Item2341: Added blockquote button and rearranged toolbars slightly; cleaned up System topic
29 Oct 2009	Foswikitask:Item2245: Updated documentation, removed redundant setting: `paste_auto_cleanup_on_paste : true` for MSIE browsers (TinyMCE now defaults to `true` for all browsers)
21 Oct 2009	Foswikitask:Item1558: TinyMCE project now supports Opera, so remove it from _BAD_BROWSERS
18 Oct 2009	Foswikitask:Item2270: Fix wordcount plugin to show correct count when user first enters edit mode
17 Oct 2009	Foswikitask:Item2245: Upgrade to TinyMCE 3.2.7
20 Sep 2009	Foswikitask:Item2121: Remove 2 MB of developer files that are not used
19 Sep 2009	Foswikitask:Item2037: Fix fullscreen-to-WikiText transition
18 Sep 2009	Foswikitask:Item1798: Fixed a problem where editor wants to put text elements into blocks causing unwanted new lines. Foswikitask:Item1341: Fixed a problem so that editor does not convert TML lettered and roman numeral lists back to numbered lists.
03 Jul 2009	Foswikitask:Item8178: Check that the help elements are present before hiding or showing them, as they are not present in all skins.
06 Jun 2009	Foswikitask:Item5628: Make browser reload the javascript when this plugin is upgraded (Michael Tempest, Colas Nahaboo) Foswikitask:Item1529: Disable "Wiki text" button until editor has loaded topic text (Michael Tempest)
24 May 2009	Foswikitask:Item1205: add support for global NOWYSIWYG flag Foswikitask:Item1341: keep TML lettered & roman numeral lists (Michael Tempest) Foswikitask:Item1534: fix typewriter text (Michael Tempest) Foswikitask:Item1548: fix data-loss warning when saving from wiki-text (Michael Tempest)
10 Apr 2009	Foswikitask:Item1394: fixed colour handling Foswikitask:Item8108: added safari,inlinepopups,fullscreen plugins, fixed some minor bugs on IE

03 Apr 2009	Foswikitask:Item1383: Optimised the preferences Foswikitask:Item8094: fixed the pickaxe
15 Mar 2009	Foswikitask:Item930: Crawford Currie upgraded to Tiny MCE 3.2.2 and recoded all the standard plugins that had to be recoded
21 Jan 2009	Foswikitask:Item833: added SYSTEMWEB to foswiki_vars, simplifying the activation of the foswikilink dialog of TinyMCEUsabilityUpgradePlugin? (if installed) - Eugen Mayer
06 Dec 2008	Foswikitask:Item5859: removed XHR headers that were banjaxing NTLM - Eugen Mayer
03 Dec 2008	Crawford Currie re-released for the Foswiki project
03 Aug 2008	TWiki 4.2.1 release version
04 May 2008	TWikibug:Item5547: Change mechanism by which TMCE recognises textareas to camp on. Use class instead of element name.
12 Apr 2008	TWikibug:Item4946: I think I have finally fixed non-iso-8859-1 character sets. Painful.
31 Mar 2008	TWikibug:Item5314: TWikibug:Item5457: Fixed pickaxe mode for editing UTF-8. Characters above 255 are converted to entitites, which is a bit of a PITA, but at least it no longer corrupts topics. **NOTE: YOU MUST UPGRADE WysiwygPlugin TO 16600 OR LATER**
28 Mar 2008	TWikibug:Item5432: added upper case file extensions for images TWikibug:Item5206: fixed expansion of simple filenames entered in image popup TWikibug:Item5462: fixed hide attachment switch
25 Jan 2008	TWikibug:Item5287: links entered through dialog weren't working
24 Jan 2008	TWikibug:Item4840: TWikibug:Item5138: UTF8 fixes, TWikibug:Item5022: made TT font size same as verbatim. Had to add a new style to do it, as TMCE didn't want to play with TT or CODE tags. TWikibug:Item5138: post-conversion of 8-bit entities to characters to aid searching, TWikibug:Item5254: non-fatal JS error fixed, TWikibug:Item5263: remove preview on WYSIWYG edit, TWikibug:Item5116: added Opera to bad browsers filter
20 Dec 2007	TWikibug:Item5047: disable save and preview during page load TWikibug:Item5111: make the entry in the format menu sensitive to where the cursor is TWikibug:Item5022: made TT font size same as verbatim. Had to add a new style to do it, as TMCE didn't want to play with TT or CODE tags.
19 Nov 2007	TWikibug:Item4742: auto-disable if Wysiwyg is not enabled TWikibug:Item4820: validate mandatory fields on save TWikibug:Item4747: add <sticky> TWikibug:Item4811: noautolink **looks** like an HTML construct but in fact is not; the tag is infact an "on-off" switch and does not imply any HTML structure, so cannot be converted to a DIV or a span, so has to be removed. TWikibug:Item4817: added typewriter text button TWikibug:Item4850: added font colour controls TWikibug:Item4645: added attachment management features TWikibug:Item4945: added switch to raw and back
16 Sep 2007	TWikibug:Item4630: polished up the way the secret string is done, to ensure synch between perl and JS. TWikibug:Item4622: added UTF-8 handling steps that fixup malformed UTF8 strings before presenting them to the editor (saves Moz) and stops the editor passing them back to TWiki (saves IE). TWikibug:Item4603: added the draft help, so we can at least build the beta without the nasty warning
13 Sep 2007	TWikibug:Item4613 fixed navigate-away prompt when unchanged TWikibug:Item4583 TWikibug:Item4604 TWikibug:Item4614 TWikibug:Item4616 A clutch of issues caused by use of the wrong encoding function when passing UTF8 parameters to REST using XMLHttpRequest?.
12 Sep 2007	TWikibug:Item4604 Converted to REST call for content conversion, to provide safe callback if JS is disabled in the browser TWikibug:Item4583 relaxed regex to try and make it work for UTF-8 topic names
11 Sep 2007	TWikibug:Item4535 refinements to link handling to improve topic name recognition
07 Sep 2007	TWikibug:Item4503 excess empty lines TWikibug:Item4486 no toc headers with unofficial syntax TWikibug:Item4560: empty lines lost TWikibug:Item4566: corrupted table on save
06 Sep 2007	TWikibug:Item4557 added missing files to package
04 Sep 2007	TWikibug:Item4534 TWikibug:Item4535 fixed
14679	TWikibug:Item4481 TWikibug:Item4524 fixed

14668	Bugfixes and refinements done as part of 4.2 release
14543	Added PROTECTED style, to allow protection of special text. Disable on unsupported browsers (untested)
14538	First release

Dependencies:

Name	Version	Description
Foswiki::Contrib::BehaviourContrib	>=0	Javascript module
Foswiki::Plugins::WysiwygPlugin	>=4315	Translator module

Plugin Home:	Foswiki:Extensions.TinyMCEPlugin
Support:	Foswiki:Support.TinyMCEPlugin

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Topic revision: r1 - 26 Feb 2010 - 01:54:27 - WikiGuest

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