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# Edit Table Plugin

Edit TWiki tables using edit fields, date pickers and drop down boxes

## Introduction

Edit TWiki tables in place, using edit fields and drop down boxes, without having to edit the complete topic.

Simply add an [ **Edit table** ] button to an existing table by writing `%EDITTABLE{ }%` directly above the table. This can be added to tables that are formatted with TablePlugin: add the `EDITTABLE` variable just above or below the `TABLE` tag. It can also be used without any `TABLE` tag.

Customize entry fields by specifying the format: use a text field, a drop down box, a date field, radio buttons or checkboxes.

Multiple tables per topic are editable, but only one at a time can be edited.

## Per Table Settings

Add a `%EDITTABLE{ . . . }%` variable just before an existing table to make it editable, or add the variable anywhere in a topic to start a new table.

- Supported attributes:

Attribute	Comment
header	Specify the header format of a new table like " <code> *Food* *Drink* </code> ". Useful to start a table with only a button
format	<p>The format of one column when editing the table. A cell can be a text input field, or any of these edit field types:</p> <ul style="list-style-type: none"> <li>• Text input field (1 line): <code>  text, &lt;size&gt;, &lt;initial value&gt;  </code></li> <li>• Textarea input field: <code>  textarea, &lt;rows&gt;x&lt;columns&gt;, &lt;initial value&gt;  </code></li> <li>• Drop down box: <code>  select, &lt;size&gt;, &lt;option 1&gt;, &lt;option 2&gt;, etc*  </code> * only one item can be selected</li> <li>• Radio buttons: <code>  radio, &lt;size*&gt;, &lt;option 1&gt;, &lt;option 2&gt;, etc  </code> * size indicates the number of buttons per line in edit mode</li> <li>• Checkboxes: <code>  checkbox, &lt;size*&gt;, &lt;option 1&gt;, &lt;option 2&gt;, etc  </code> * size indicates the number of checkboxes per line in edit mode</li> <li>• Fixed label: <code>  label, 0, &lt;label text&gt;  </code></li> <li>• Row number: <code>  row, &lt;offset&gt;  </code></li> <li>• Date: <code>  date, &lt;size&gt;, &lt;initial value&gt;, &lt;DHTML date format*&gt;  </code> * see Date Field Type</li> </ul>
changerows	<p>Rows can be added and removed if "on"            Rows can be added but not removed if "add"            Rows cannot be added or removed if "off"</p>

quietsave	Quiet Save button is shown if "on", hidden if "off"
include	Other topic defining the EDITTABLE parameters. The first %EDITTABLE% in the topic is used. This is useful if you have many topics with the same table format and you want to update the format in one place.
helptopic	Topic name containing help text shown below the table when editing a table. The %STARTINCLUDE% and %STOPINCLUDE% variables can be used in the topic to specify what is shown.
headerislabel	Table header cells are read-only (labels) if "on"; header cells can be edited if "off" or "0"
editbutton	Set edit button text, e.g. "Edit this table"; set button image with alt text, e.g. "Edit table, %PUBURL%/%SYSTEMWEB%/TWikiDocGraphics/edittopic.gif"; hide edit button at the end of the table with "hide" (Note: Button is automatically hidden if an edit button is present in a cell)
buttonrow	Set to top to put the edit buttons above the table.
javascriptinterface	Use javascript to directly move and delete row without page refresh. Enable with "on", disable with "off".

## Using TWiki Variables in the Format Parameter

By default, variables in `<initial value>` (of text input field) and `<label text>` (of fixed label) get expanded when a new row is added. This can be used for example to add a timestamp to a label. You can escape characters with format tokens if you do not want that.

Any TWiki variable inside a table cell will be preserved. For instance, %TOPIC% will not get expanded to the current topic name.

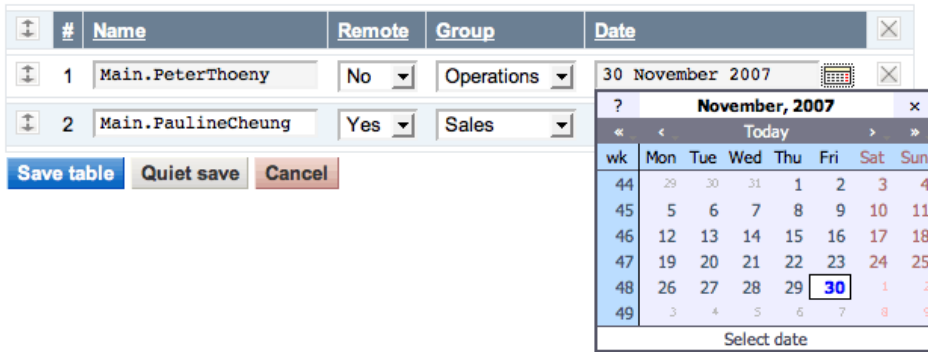
The format tokens are the same as with FormattedSearch:

Escape:	Expands To:
\$n or \$n ()	New line. Use \$n () if followed by alphanumeric character, e.g. write Foo\$n () Bar instead of Foo\$nBar
\$nop or \$nop ()	Is a "no operation".
\$quot	Double quote (")
\$percent	Percent sign (%)
\$dollar	Dollar sign (\$)

## Date Field Type

The date field type allows one to choose a date with a popup calendar. Popup calendar works with all modern browsers. The date picker button is inactive if the browser cannot support the popup calendar or if Javascript is disabled.

The date format can be defined; the default is taken from the {JSCalendarContrib}{format} configure setting. Date specifiers are described in JSCalendarContrib. Example format for ISO date: `format="| date, 10, , %Y-%m-%d |"`.





## Per Cell Settings

An individual edit field type can be defined for each table cell. Place an `%EDITCELL{ "type, ..." }` variable at the end of the cell content. This is useful to override the per column `%EDITTABLE{ format="..." }` settings, or to create tables with key/value rows. All edit field types of the `format="..."` parameter are supported. For example, to define a text field, type: | cell content `%EDITCELL{ "text, 20" }` |

It is also possible to place the edit button inside a cell instead of default location below the table. Type | `%EDITCELL{ "editbutton, 1, Edit this table" }` | to show a button, or | `%EDITCELL{ "editbutton, 1, Edit table, Image-URL" }` | to show a button image with alternate text.

**Note:** The `%EDITCELL{ }` variable cannot be used by itself; place an `=%EDITTABLE{ }` variable at the beginning of a table where you want to use `=%EDITCELL{ }` variables.

## Table Buttons

- In page view mode:
  - ◆ - turn the table into edit mode
- In edit mode:
  - ◆ - save your changes
  - ◆ - save your changes without alerting subscribed WebNotify users
  - ◆ - add row to the table (if enabled)
  - ◆ - remove last row from the table (if enabled)
  - ◆ - cancel without saving and release edit lock
  - ◆  - Move a row by clicking this button next to the row to be moved, then at a destination.
  - ◆  - Deletes the row next to this button.

## Examples

Line before table: `%EDITTABLE{ format="| row, -1 | text, 20, init | select, 1, one, two, three, four | radio, 3, :-), :-I, :-(| label, 0, %SERVERTIME{"$day $mon $year $hour:$min"}% | " changerows="on" }`

Nr	Text field	Drop down	Mood	Timestamp
1	hello table	one	☺	26 Jun 2002 12:30
2		two	☹	27 Jun 2002 12:40

**Note:** Please do not save this example table! Use TWiki:Sandbox.EditTablePluginTesting if you want to try out this Plugin

If this plugin is installed you will see an [ **Edit table** ] button above; if you were to click on it (please don't, use TWiki:Sandbox.EditTablePluginTesting for testing) you get this form:

Nr	Text field	Drop down	Mood	Timestamp
1			☺☹☠	26 Jun 2002 12:30
2				

☺☹☠ 27 Jun 2002 12:40

The following example shows a simple table with key/value rows. The default edit field type for the value column is a text field. This is overloaded by a selector for the Gender, and a date picker for the DOB. This is typically used by TWiki applications where new topics with tables are created based on a template topic.

**You type:**

```
%TABLE{"headerrows="1"}%
%EDITTABLE{ format="| label | text, 40 |" changerows="off" }%
|*Key*|*Value*|
| Name: | John Smith |
| Gender: | M %EDITCELL{select, 1, , F, M}% |
| DOB: | 1999/12/31 %EDITCELL{date, 10}% |
| City: | New York |
```

**You get:**


Key	Value
Name:	John Smith
Gender:	M
DOB:	1999/12/31
City:	New York

Edit

	Key	Value
<input type="checkbox"/>	Name:	John S
<input type="checkbox"/>	Gender:	M
<input type="checkbox"/>	DOB:	1999/1
<input type="checkbox"/>	City:	New Yo

## Plugin Settings

Plugin settings are stored as preferences variables. To reference a plugin setting write %<plugin>\_<setting>%, for example, %EDITTABLEPLUGIN\_SHORTDESCRIPTION%

- One line description, shown in the TextFormattingRules topic:
  - ◆ Set SHORTDESCRIPTION = Edit TWiki tables using edit fields, date pickers and drop down boxes
- Set DEBUG to 1 to get debug messages in data/debug.txt. Default: 0
  - ◆ Set DEBUG = 0
- Set JAVASCRIPTINTERFACE to 1 to be able to directly move and delete row without page refresh. Can be overridden with parameter javascriptinterface.
  - ◆ Set JAVASCRIPTINTERFACE = 1
- Default for change rows flag: on, off, add
  - ◆ Set CHANGEROWS = on
- Default flag for quiet save option: on to show the Quiet Save button, off to hide
  - ◆ Set QUIETSAVE = on
- Default edit button: Specify button text, or specify alternate text, image URL. Note: Texts inside %MAKETEXT{ }% are translated into other languages.
  - ◆ #Set EDIT\_BUTTON = Edit table
  - ◆ Set EDIT\_BUTTON = Edit this table, 

- ◆ Set SAVE\_BUTTON = Save table
  - ◆ Set QUIET\_SAVE\_BUTTON = Quiet save
  - ◆ Set ADD\_ROW\_BUTTON = Add row
  - ◆ Set DELETE\_LAST\_ROW\_BUTTON = Delete last row
  - ◆ Set CANCEL\_BUTTON = Cancel
- Default help texts
    - ◆ Set INCLUDED\_TOPIC\_DOES\_NOT\_EXIST = Warning: 'include' topic does not exist!

*Note:* The Plugin uses base settings like date format, language and style from the JSCalendarContrib.

## Limitations and Known Issues

- This Plugin does not support TWiki table formatting like Multi-span cells (e.g. | . . . | |) and cell justification (e.g. | centered | right |)
- There is a performance issue when editing a large table, say, with more then 50 rows
- You cannot put two %EDITTABLE{}% statements on the same line in the source
- You can include %-vars now in select values, by quoting them with <nop>, as in %<nop>X% for %X%, say for instance:  

```
select, 1, %<nop>X%, %<nop>Y%
```

## Installation Instructions

*Note:* This is a pre-installed TWiki plugin. You should not need to install the plugin unless it is for an upgrade.

- Download the ZIP file from the Plugin web (see below)
- Unzip **EditTablePlugin.zip** in your (\$TWIKI\_ROOT) directory.
- Alternatively,
  - ◆ Manually resolve the dependencies listed below. None
- The Plugin depends on the `viewauth` script to authenticate the user. As described in TWikiAccessControl, copy the `view` script to `viewauth` (or better, create a symbolic link) and add `viewauth` to the list of authenticated scripts in the `.htaccess` file.
- Visit `configure` in your TWiki installation, and enable the plugin in the {Plugins} section.
- Test if the Plugin is correctly installed:
  - ◆ Check above example if there is an [ **Edit table** ] button below the table in above example
  - ◆ Click on [ **Edit table** ], make changes and save the table

## Plugin Info

Plugin Author:	Arthur Clemens, TWiki:Main.PeterThoeny
Copyright:	© 2008 Arthur Clemens; © 2002-2011 TWiki:Main.PeterThoeny , Twiki, Inc. ; © 2002-2011 TWiki:TWiki.TWikiContributor
License:	GPL (GNU General Public License )
Plugin Version:	2011-07-07
Change History:	
2011-07-07:	Twikibug:Item6725 : Change global package variables from "use vars" to "our"
2010-05-25:	5.1: Twikibug:Item6324 - Fix for editing a table removing EDITCELL from another table - patch by TWiki:Main/NickThorpe
2010-05-16:	

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	5.0: TWikibug:Item6433 - doc improvements; replacing TWIKIWEB with SYSTEMWEB
17 Apr 2009:	4.9.1: Save of table can only be done with http POST method, not GET
01 Nov 2008:	4.9: Arthur Clemens: Fixed rendering of <code>verbatim</code> blocks when editing. Added parameter <code>buttonrow="top"</code> to allow the buttons to be positioned at the top of the table.
26 Sep 2008:	4.8.7: Arthur Clemens: Let empty table initialize more than one column from <code>header</code> parameter
24 Sep 2008:	4.8.6: Arthur Clemens: Fix parsing of header labels
21 Sep 2008:	4.8.5: Arthur Clemens: Fix rendering of TML inside label
03 Aug 2008:	4.8.4: TWiki 4.2.1 release version
19 Jul 2008:	4.8.3: Bugfix release
20 Mar 2008:	4.8: Arthur Clemens: Code refactoring; disabled table sort when editing; removed usage of <code>\$percent</code> to prevent variable expansion (is now done automatically); made Javascript interface aware of headers and footers, and of <code>changerows="off"</code> ; improved feedback on row move.
25 Dec 2007:	4.7.1: Arthur Clemens: Added warning if <code>include</code> parameter <code>topic</code> does not exist.
22 Dec 2007:	4.7: Arthur Clemens: Changed handling of escaped variables. To escape TWiki variable, use formatting tokens such as <code>\$percent</code> .
16 Dec 2007:	4.6: Kenneth Lavrsen: The plugin prevents TablePlugin from initsorting the table being edited. This is done by temporarily appending the attribute <code>disableallsort="on"</code> to the TABLE tag of a table being edited. Additionally all header sorting is disabled while editing a table by setting a hidden formfield <code>sort</code> to "off". Disabling sorting while editing is needed now that the EditTablePlugin supports moving rows up and down.
01 Dec 2007:	4.3: Arthur Clemens: added support for TablePlugin <code>headerrows</code> and <code>footerrows</code> ; updated edit button
16 Oct 2007:	4.2: Arthur Clemens: refactoring, bug fixes.
07 Oct 2007:	15182: PTh: Added <code>VarEDITTABLE</code> to have it listed in <code>TWikiVariables</code>
15 Mar 2007:	Arthur Clemens: Fixed eating of double newlines; icons for Javascript buttons and interface improvements. By default the Javascript interface is turned off, set <code>JAVASCRIPTINTERFACE</code> to use it in edit mode.
05 Mar 2007:	Byron Darrah: Added ability to dynamically move and delete rows.
12 Oct 2006:	Item2982 Use default date format from <code>JSCalendarContrib</code>
02 Oct 2006:	Item2884 Check also for access permission in meta data; proper fix to not warn if oneself has a lock on topic
30 Aug 2006:	Item2829 Remove whitespace from select, radio and checkbox items; restored topic lock if <code>\$TWiki::Plugins::VERSION &lt; 1.1</code>
29 Jul 2006:	Item2684 - Quietly ignore topic edit locks on table edit
21 Jan 2006:	TWiki:Main.CrawfordCurrie ported to TWiki-4.0.0, changed to use <code>JSCalendarContrib</code>
16 Sep 2004:	Added radio buttons and checkbox controls; escaped " " pipe symbol found in input fields to preserve tables
01 Aug 2004:	Fixed bug where edittable did not work if at the end of a topic
07 Apr 2004:	Fixed bug where two tables got updated when you edit and save a table included into a topic containing other edit tables
02 Mar 2004:	Default for <code>%EDITCELL{editbutton}%</code> is <code>EDITBUTTON</code> preference
27 Feb 2004:	Added <code>QUIETSAVE</code> setting and <code>quietsave</code> parameter; image for Edit button
18 Feb 2004:	Doc fixes; allow edit button anywhere in a cell not just at the end of a cell
17 Feb 2004:	

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	Added per cell definition of edit field types with %EDITCELL{}% variable; added headerislabel and editbutton parameters
20 Dec 2003:	Fixed bug where calendar did not work after adding a row (TWiki:Main/PaulineCheung ); added all language files of Mishoo DHTML calendar 0.9.5
13 Dec 2003:	Added CHANGEROWS, JSCALENDARDATEFORMAT, JSCALENDARLANGUAGE, JSCALENDAROPTIONS settings
16 Oct 2003:	small typo fixed (garbled if ---+ header on top)
15 Oct 2003:	new date field type with Javascript calendar - CN
14 Oct 2003:	docfix: the documentation page was an old one - CN
13 Oct 2003:	bugfix: %-vars in select were resetted to first on add/del row - CN
18 Sep 2003:	incompatibility: changed default of changerows to on; support for %-vars, Quiet save for saving without notification; all other fixes in Dev topic integrated - CN
08 Nov 2002:	Prevent variable expansion in label text; added escape characters
27 Jun 2002:	New helptopic parameter
26 Jun 2002:	Support for variables in included EDITTABLE parameters; fixed problem with HTML in cells
21 May 2002:	Added fixed label format; new changerows="add" parameter
27 Apr 2002:	Fixed bug where text after a double quote in a cell disappeared
18 Apr 2002:	Fixed bug where table was breaking when pasting multiple lines into an edit field using Netscape on Unix
08 Apr 2002:	Check for change permission and edit lock of topic
05 Apr 2002:	Initial version
Dependencies:	None
Perl Version:	5.0
TWiki:Plugins/Benchmark :	GoodStyle 98%, FormattedSearch 98%, EditTablePlugin 95%
Plugin Home:	<a href="http://TWiki.org/cgi-bin/view/Plugins/EditTablePlugin">http://TWiki.org/cgi-bin/view/Plugins/EditTablePlugin</a>
Feedback:	<a href="http://TWiki.org/cgi-bin/view/Plugins/EditTablePluginDev">http://TWiki.org/cgi-bin/view/Plugins/EditTablePluginDev</a>
Appraisal:	<a href="http://TWiki.org/cgi-bin/view/Plugins/EditTablePluginAppraisal">http://TWiki.org/cgi-bin/view/Plugins/EditTablePluginAppraisal</a>

**Related Topics:** VarEDITTABLE, TWikiPreferences, TWikiPlugins

This topic: TWiki > EditTablePlugin

Topic revision: r20 - 2011-07-08 - TWikiContributor



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Ideas, requests, problems regarding TWiki? Send feedback

**Note:** Please contribute updates to this topic on TWiki.org at TWiki:TWiki.EditTablePlugin.