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# Release Notes of TWiki-5.0.2-rc1 (Helsinki), 2011-04-21

## Introduction

TWiki-5.0.0 released on 2010-05-29 is a major release introducing usability enhancements, feature enhancements, and adds extensions to strengthen TWiki as an enterprise collaboration platform.

TWiki-5.0.1 released on 2010-10-10 is a patch release that adds some minor new features and fixes a number of bugs.

TWiki-5.0.2-rc1 released on 2011-04-21 is a patch release that adds some minor new features and fixes a number of bugs.

It is highly recommended to upgrade to TWiki-5.0.2. Users will find this release much more stable and secure in daily use.

## New Features Highlights

- **Security Enhancements**
  - ◆ Configure script requires authentication to reduce exposure of internal system settings.
  - ◆ The twiki root directory is no longer HTML doc enabled, reducing the odds of exposing data due to webserver misconfiguration.
- **Usability Enhancements**
  - ◆ New TopMenuSkin with pulldown menus for better usability and corporate/modern look&feel.
  - ◆ Attach multiple files at once, useful when attaching many files.
  - ◆ Pre-installed TagMePlugin, useful to tag topics to quickly access content in a large TWiki.
  - ◆ Upgraded TinyMCEPlugin to latest TinyMCE 3.2.4.1 for better WYSIWYG editing experience.
  - ◆ Better indication of breadcrumb in top menu of TopMenuSkin - added in TWiki-5.0.1
  - ◆ Better display of topic diffs in debug mode - added in TWiki-5.0.1
  - ◆ The SlideShowPlugin now supports keystrokes to navigate the slides - added in TWiki-5.0.2
- **TWiki Application Platform Enhancements**
  - ◆ Pre-installed JQueryPlugin, adding a lightweight cross-browser JavaScript library designed to simplify the client-side scripting of HTML.
  - ◆ Improvements to ENCODE, IF, URLPARAM, WEB and WEBLIST variables.
  - ◆ The JQueryPlugin has now jquery-1.5.1 and jquery-ui-1.8.10 - updated in TWiki-5.0.2
- **Search Enhancements**
  - ◆ Query syntax with array size, useful to query TWiki forms and attachments.
  - ◆ Query syntax can be used in format parameter of search, giving more control over formatting.
- **Miscellaneous Feature Enhancements**
  - ◆ Adding 51 new TWikiDocGraphics icons, and 11 updated icons.
  - ◆ Adding 3 new TWikiDocGraphics icons, and 1 updated icon - added in TWiki-5.0.1
  - ◆ Adding 8 new TWikiDocGraphics icons, and 2 updated icons - added in TWiki-5.0.2
  - ◆ The TWiki doc graphics library is now aware of image size and is cached for speed.
  - ◆ Support authenticated proxy - added in TWiki-5.0.1
  - ◆ TopMenuSkin: Customizable web-specific top bar - added in TWiki-5.0.2
  - ◆ In TWikiForms' type table, automatically list form field types that are defined in plugins and contribs
- **Plugin Enhancements**
  - ◆ API: New TWiki::Func::buildWikiWord function

- ◆ **HeadlinesPlugin:** New touch parameter in HEADLINES variable to alert users via e-mail notification of news updates
- ◆ **SpreadSheetPlugin:** Improvements to \$TIME() and \$NOP() functions.
- ◆ **SpreadSheetPlugin:** Add ISO 8601 week number to FORMATTIME - added in TWiki-5.0.1
- ◆ **SpreadSheetPlugin:** New \$LISTNONEMPTY(), \$SPLIT() and \$WHILE() functions - added in TWiki-5.0.2

See the full list of new features and bug fixes further below.

## Pre-installed Extensions

TWiki-5.0.2 ships with:

- **Plugins:** CommentPlugin, EditTablePlugin, EmptyPlugin, HeadlinesPlugin, InterwikiPlugin, JQueryPlugin, PreferencesPlugin, RenderListPlugin, SlideShowPlugin, SmiliesPlugin, SpreadSheetPlugin, TablePlugin, TinyMCEPlugin, TagMePlugin, TWikiNetSkinPlugin, TwistyPlugin, WysiwygPlugin
- **Contribs:** BehaviourContrib, JSCalendarContrib, MailerContrib, TipsContrib, TWikiUserMappingContrib, TwistyContrib
- **Skins:** ClassicSkin, PatternSkin, TopMenuSkin, TWikiNetSkin

*Note:* JQueryPlugin, TagMePlugin and TopMenuSkin are new in TWiki-5.0.0.

## Supported User Interface Languages

The user interface of this TWiki version is localized to 19 languages:

English (default), Bulgarian (bg), Chinese simplified (zh-cn), Chinese traditional (zh-tw), Czechoslovakian (cs), Danish (da), Dutch (nl), German (de), Finnish (fi), French (fr), Italian (it), Japanese (ja), Korean (ko), Polish (pl), Portuguese (pt), Russian (ru), Slovakian (sv), Spanish (es), Ukrainian (uk).

*Note:* TWiki needs to be configured properly to display user interface languages other than the default English language. Details in TWiki:TWiki.InstallationWithI18N and TWiki:TWiki.InternationalizationSupplement .

## Deprecation Notices

- From TWiki 5.0 on, the ClassicSkin is deprecated and will be removed in a future release.
- From TWiki 4.2 on, the %MAINWEB% and %TWIKIWEB% variables have been deprecated. For compatibility reasons they are unlikely to ever be removed completely, but you should use the %USERSWEB% and %SYSTEMWEB% variables instead.
- From TWiki 4.2 on, functions TWiki::Func::getOopsUrl and TWiki::Func::permissionsSet have been declared deprecated. There is no plan to remove them yet.
- From TWiki 4.0 on, the syntax "\* Set DENYTOPICVIEW = " (nothing) in a topic means deny noone. Even if ALLOWTOPICVIEW is set to people or group setting DENYTOPICCHANGE to nothing means allow anyone. You have to remove the DENYTOPICVIEW or comment it out to have the ALLOWTOPICVIEW working. The reason for this behavior is that it enables limiting access to an entire web by setting a blank DENYTOPICVIEW setting. Same rule applies for DENYTOPICCHANGE and DENYTOPICRENAME. The rule does not apply for access rights

defined for webs. Ie. `"*Set DENYWEBCHANGE = "` does not allow anyone to edit topics in the web. There has been strong oppinions against the syntax `"* Set DENYTOPICXXXX = "` meaning giving all access. So please be warned that we will change the syntax to a more transparent and logical syntax in future but we will ensure that it is still possible to secure a web and open up individual topics in future also.

## Notes for TWiki Administrators and Wiki Champions

### Upgrade From Earlier Releases

Follow the [TWikiUpgradeGuide](#) to install TWiki and migrate data from your existing TWiki.

The new `TopMenuSkin` adds pulldown menus for better usability and corporate/modern look&feel. This skin is based on the `PatternSkin`, which used the `WebLeftBar` in each web for navigation. The `TopMenuSkin` has a new `WebTopBar` that defines the menu structure in each web. A default menu is shown in case `WebTopBar` is missing, so you do not need to add a `WebTopBar` topic to all your existing webs. See [TopMenuSkin#WebSpecific](#) instructions in case you need a customized menu structure in a web.

### TWiki-5.0.0 Major Release - Details

TWiki-5.0.0 was built from SVN <http://svn.twiki.org/svn/twiki/branches/TWikiRelease05x00> revision 18860 (2010-05-29)

### Enhancements

TWikibug:Item2756	Log viewfile activity
TWikibug:Item2927	Topic moved message too visible
TWikibug:Item4875	Add javascript function 'makeSafeForTableEntry'
TWikibug:Item5916	Add isempty operator to IF Variable
TWikibug:Item5936	Rename twiki script to twiki.cgi
TWikibug:Item6014	Integration of SortedHeadPlugin into core TWiki
TWikibug:Item6246	Security: twiki root directory should not be exposed as html doc root
TWikibug:Item6315	HeadlinesPlugin: New touch parameter for HEADLINES variable
TWikibug:Item6334	TinyMCEPlugin: Upgrade plugin to latest TinyMCE 3.2.4.1
TWikibug:Item6364	SpreadSheetPlugin: SpreadSheetPlugin Nop Function Enhancement
TWikibug:Item6365	Forms: Forms Should Evaluate the Size Field
TWikibug:Item6380	TWikiDocGraphics: TWiki Doc Graphics: Adding search path, icon size defined in topics, adding cache
TWikibug:Item6381	TWikiDocGraphics: 51 new TWiki Doc Graphics images for TWiki 5.0.0
TWikibug:Item6385	Func/Plugins/Renderer: New TWiki::Func::buildWikiWord Function
TWikibug:Item6393	TWikiUserMappingContrib: Ability to pre-populate TWiki registration form fields with URL parameters
TWikibug:Item6396	Query syntax with array size for TWiki forms and attachments
TWikibug:Item6397	Query syntax in search format: \$query(...)
TWikibug:Item6403	ENCODE and URLPARAM Variables with new "moderate" encoding
TWikibug:Item6404	URLPARAM with \$br and \$n variables in newline parameter
TWikibug:Item6410	configure: Access control of configure script: Configuration only after authentication
TWikibug:Item6413	TopMenuSkin: Initial version of TopMenuSkin with pulldown menus for better usability and corporate/modern look&feel
TWikibug:Item6424	Format Parameter for WEB variable
TWikibug:Item6425	Support Updated Universal Wiki Edit Button

TWikibug:Item6428	MANIFEST: Add TopMenuSkin and JQueryPlugin to distribution
TWikibug:Item6429	WEBLIST variable with limit parameter
TWikibug:Item6436	JQueryPlugin: Rename too generic JQueryPlugin variables
TWikibug:Item6441	Multiple File Upload Feature to TWiki
TWikibug:Item6450	Docs: Simplify site map: Keep SITEMAPWHAT setting and remove SITEMAPUSETO setting
TWikibug:Item6451	Docs: Add recent changes box to every WebHome
TWikibug:Item6453	PatternSkin: Don't use red color in topic action, implies red-links
TWikibug:Item6462	Define background color variables in TWikiPreferences
TWikibug:Item6472	SpreadSheetPlugin: Support DOY (Day of Year) in time parsing of TIME function
TWikibug:Item6473	MANIFEST: Add TagMePlugin to 5.0 distribution

Total: 33

## Fixes

TWikibug:Item3030	TWiki::Func::saveAttachment saves a lot of garbage in META
TWikibug:Item3379	BuildScripts: TWiki tarball violates unwritten packaging standard
TWikibug:Item5241	Docs: Document log action of renameweb, viewfile, changepasswd, renamepasswd in TWikiSiteTools topic
TWikibug:Item5295	Use inline CSS instead of font tag to avoid malformed HTML for common user input
TWikibug:Item5803	Make the trunk/core a first class 'contrib' that can be built separately from its normal release INCLUDEs
TWikibug:Item5965	Docs: Document 't' parameter of edit
TWikibug:Item6012	POST data lost without previous login (query cache mechanism not 100%)
TWikibug:Item6088	WysiwygPlugin: The Perl modules do not have fully qualified names and wrong convention/or error in the name of the file/module name.
TWikibug:Item6259	Docs: Prevent GUI-based rename of TWiki web and Main web
TWikibug:Item6267	FORMFIELD expands \$title to field name if \$title exists in field value
TWikibug:Item6276	CommentPlugin: Cannot specify percentBRpercent for newline value
TWikibug:Item6300	Trash topic: New topic name "Web/SubwebTopicName" is not a WikiWord
TWikibug:Item6313	HeadlinesPlugin: Non-forgiving element matching "link"
TWikibug:Item6324	EditTablePlugin: Editing table 1 removes EDITCELL tag from the other table
TWikibug:Item6331	WYSIWYG mode destroys CSS code
TWikibug:Item6354	TwistyPlugin: Unexpected behaviour using TWISTY on a VARCACHED page
TWikibug:Item6366	TinyMCEPlugin: %RED% - colors syntax lost while WYSYWYG editor used to save the topics
TWikibug:Item6372	TWikiUserMappingContrib: More robust WikiWord build in TWikiRegistration
TWikibug:Item6378	Plugin API: Issues with beforeSaveAttachment plugin dispatch
TWikibug:Item6379	Configure: Correct a configure bug where a defined empty string " is converted into 'NOT SET'
TWikibug:Item6386	PatternSkin: breadcrumb shows improper topic if used in top bar
TWikibug:Item6398	Registration fails if Main web locked down due to UserForm not accessible
TWikibug:Item6399	Diff page shows author as "Main.FirstLast", should be "FirstLast" with link
TWikibug:Item6401	TWikiUserMappingContrib: ASSERT prevents TWiki::Users::TWikiUserMapping from being subclassed
TWikibug:Item6405	TablePlugin: Table sorting incorrect for numbers with decimal places
TWikibug:Item6406	TablePlugin: Table sorting incorrect for negative numbers
TWikibug:Item6414	TablePlugin: Column with ISO dates does not sort properly
TWikibug:Item6416	PatternSkin: Only Two Pages Print in FF 3.6
TWikibug:Item6417	TWikiUserMapping: LDAP users can't login if UserMappingManager 'TWiki::Users::TWikiUserMapping' is used

TWikibug:Item6426	Add Universal Wiki Edit Button logo to Edit Button
TWikibug:Item6430	Topic action buttons point to included topic instead of current topic
TWikibug:Item6438	%META with new topic parameter; fix for %META using current web.topic scope, but base topic's meta data
TWikibug:Item6443	Docs: Document ! in Regular Expressions docs
TWikibug:Item6448	Installed Plugins list should link to disabled plugins.
TWikibug:Item6454	configure: Configure script fails if twiki/lib in non-standard location
TWikibug:Item6466	configure: Garbled configure screen after showing error message
TWikibug:Item6469	In access denied message, TWikiAdminGroup links to current web instead of Main web
TWikibug:Item6474	MailerContrib: mailnotify fails due to non-existing _alert method

Total: 38

## TWiki-5.0.1 Patch Release - Details

TWiki-5.0.1 was built from SVN <http://svn.twiki.org/svn/twiki/branches/TWikiRelease05x00> revision 19570 (2010-10-10)

### Enhancements

TWikibug:Item6475	TopMenuSkin v1.5 work: Better indication of breadcrumb in top menu
TWikibug:Item6479	Documentation enhancements for TWiki 5.0.1
TWikibug:Item6482	TopMenuSkin v1.6: XHTML validation fixes; moving CSS to HTML head using ADDTOHEAD variable
TWikibug:Item6483	Add angle brackets (< and >) to format tokens
TWikibug:Item6488	Better display of topic diffs in debug mode (rdiff)
TWikibug:Item6497	New TWiki Doc Graphics images topmenu, twiki-gray, uweb-o14
TWikibug:Item6499	PatternSkin: Less screaming submit and cancel buttons, aligning with color palette of TopMenuSkin
TWikibug:Item6500	Web-interface to refresh ICON cache
TWikibug:Item6504	SpreadSheetPlugin: Add empty (\$nop) separator to LISTJOIN
TWikibug:Item6521	InterwikiPlugin: Add ~ and % to allowed characters in page part of Site:page link
TWikibug:Item6525	SpreadSheetPlugin: Add \$n token to TRANSLATE for newline
TWikibug:Item6526	SpreadSheetPlugin: Add ISO 8601 week number to FORMATTIME
TWikibug:Item6576	Support Authenticated Proxy
TWikibug:Item6580	SmiliesPlugin: Added "red", "yellow", "green", "blue" smilies
TWikibug:Item6588	TopMenuSkin: Use gray TWiki icon in top menu bar instead of orange icon

Total: 14

### Fixes

TWikibug:Item5163	SpreadSheetPlugin causes table to misrender an empty row
TWikibug:Item5335	Not all pages are prepared for NOAUTOLINK on
TWikibug:Item6231	Include: List of domains to exclude from proxy with {PROXY}{SkipProxyForDomains} setting
TWikibug:Item6371	Display proper time zone diff in ISO date and date containing \$tz if local time is used, such as 2010-06-02T02:14:57-07:00
TWikibug:Item6463	InterwikiPlugin links not working if topic included from different web, such as if used in TopMenuSkin menus
TWikibug:Item6480	TWiki.TWikiDocGraphicsTemplate missing in TWiki-5.0.0 distribution
TWikibug:Item6489	

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	MailerContrib: Separate WIKITOOLNAME from WEB name; escape WEB name to avoid auto-linking in case web is WikiWord
TWikibug:Item6490	TagMePlugin: Template has hardcoded link to TWiki web
TWikibug:Item6492	PatternSkin: Can't Attach files on IE-8, TWiki thinks max upload files exceeded
TWikibug:Item6493	SpreadSheetPlugin: Product function gives wrong result
TWikibug:Item6494	Attach/remove/attach gives error: Can't call method "binmode" on an undefined value
TWikibug:Item6503	InterwikiPlugin: Fix TWiki.org specific Web.Topic interwiki links to have .../view/Web/Topic type URLs
TWikibug:Item6506	SpreadSheetPlugin: Document delayed evaluation of CALC in included topics
TWikibug:Item6508	ATTACHEDIMAGEFORMAT issues
TWikibug:Item6514	PatternSkin: Floats overlap topic action bar at bottom if topic is short
TWikibug:Item6524	TopMenuSkin: No Account pulldown menu on Opera browser
TWikibug:Item6529	Use of uninitialized value in substitution in Meta.pm and Store.pm
TWikibug:Item6537	SpreadSheetPlugin: Formula \$EVAL(13 - 08) returns error: Illegal octal digit '8'
TWikibug:Item6544	Jump Box has no help text in IE8
TWikibug:Item6561	mod_perl2 incompatible check for ENV{GATEWAY_INTERFACE}
TWikibug:Item6565	Engine.pm: Parentheses missing
TWikibug:Item6578	Use of uninitialized value in split at lib/TWiki.pm line 1302
TWikibug:Item6581	Allow commas and semicolons as e-mail separator
TWikibug:Item6582	Sanitize URL parameters
TWikibug:Item6583	mod_perl error: %ENV is aliased to another variable while running with -T switch

Total: 25

## TWiki-5.0.2 Patch Release - Details

TWiki-5.0.2-rc1 was built from SVN <http://svn.twiki.org/svn/twiki/branches/TWikiRelease05x00> revision 21061 (2011-04-21)

### Enhancements

TWikibug:Item2385	Add IP address to registration e-mail confirming e-mail address
TWikibug:Item6589	8 new TWikiDocGraphics icons, 2 updated icons for TWiki 5.0.2
TWikibug:Item6593	Documentation enhancements for TWiki 5.0.2
TWikibug:Item6603	JSCalendarContrib: Add transparent image for nicer date button in TWiki Forms
TWikibug:Item6608	PatternSkin: Reduce font size of H1 and H2 headings
TWikibug:Item6609	In TWikiForms type table, automatically list form field types that are defined in contribs
TWikibug:Item6614	TopMenuSkin: Always show register link in Account menu, regardless of login status
TWikibug:Item6618	User definable topic parent for new user profile pages
TWikibug:Item6621	In QUERYPARAMS, deprecate encoding="" parameter, and add encode=""
TWikibug:Item6622	PatternSkin: Don't hide non-hidden attachments
TWikibug:Item6626	SlideShowPlugin: New slide navigation using keys: Home, Left-arrow, Page-up, Right-arrow, Page-down, End and Esc
TWikibug:Item6653	JQueryPlugin: Update plugin to jquery-1.5.1 and jquery-ui-1.8.10
TWikibug:Item6659	TopMenuSkin: Customizable web-specific top bar
TWikibug:Item6666	SpreadSheetPlugin: New SPLIT() function to split a string into a list
TWikibug:Item6669	SpreadSheetPlugin: Add LISTNONEMPTY() function that removes empty elements from a list
TWikibug:Item6681	SpreadSheetPlugin: New WHILE() function to do something in a loop while a condition is met

Total: 16

Fixes

## Fixes

TWikibug:Item5384	Allow Delete of Duplicate Attachments
TWikibug:Item6491	Missing template change in TWiki-5.0.0 for EDITMETHOD setting
TWikibug:Item6602	The viewfile script delivers attachments with lower-cased names
TWikibug:Item6604	Documentation missing for EDITMETHOD setting
TWikibug:Item6625	Documentation for time format not available to normal users
TWikibug:Item6634	Topic links in included topics not web-prefixed if WikiWord ends with punctuation
TWikibug:Item6667	SpreadSheetPlugin: RIGHT() has wrong result due to incorrect start cell
TWikibug:Item6668	SpreadSheetPlugin: LIST() does not flatten a list in a cell
TWikibug:Item6673	Sanitize URL parameters on login
TWikibug:Item6675	JQueryPlugin: Possible to specify JQTHEME more than once per page, but only first one takes effect
TWikibug:Item6679	SpreadSheetPlugin: Small issue with LISTRAND, where last item only got 50% of fair share to get picked
TWikibug:Item6687	Statistics script leaves temp files behind

Total: 12

**Related Topics:** [TWikiHistory](#), [TWikiInstallationGuide](#), [TWikiUpgradeGuide](#), [TWikiReleaseNotes04x00](#), [TWikiReleaseNotes04x01](#), [TWikiReleaseNotes04x02](#), [TWikiReleaseNotes04x03](#), [TWikiReleaseNotes05x01](#)

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