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# Appendix A: Foswiki Development Time-line

## Foswiki Release 1.0.9 - 17 Jan 2010

Foswiki 1.0.9 was built 17 Jan 2010. It is a patch release with more than 320 bug fixes relative to 1.0.0 and several enhancements. This release fixes many bugs in the Wysiwyg editor, bugs related to more advanced wiki applications and bugs in the Plugin API. It contains several bug fixes and enhancements related to security and spam fighting.

## Foswiki Release 1.0.8 - 29 Nov 2009

Foswiki 1.0.8 was built 29 Nov 2009. It is a patch release with more than 280 bug fixes relative to 1.0.0 and some enhancements. This release fixes a short list of quite annoying old bugs incl a bug that prevented efficient use of MailerContrib for producing newsletters. The Wysiwyg editor has been upgraded with the latest Tiny MCE editor release 3.2.7.

## Foswiki Release 1.0.7 - 20 Sep 2009

More than 30 new bug fixes and some enhancements.

The Wysiwyg editor has been upgraded to using Tiny MCE editor version 3.2.2 which solves many editor related bugs. The pickaxe icon has been replaced by a "Wiki Text" button as the pickaxe was hard to guess the function of.

Several bugs fixed related to the Cross-Site Request Forgery feature.

TablePlugin sorts numbers and dates better

EditTablePlugin handles SpreadsheetPlugin in footer rows correctly

Fixed a problem where Windows installations of Foswiki would create new users with non-working passwords

"Managing webs" feature redesigned for better usability

## Foswiki Release 1.0.6 - 21 Jun 2009

More than 40 bugs fixed and several small enhancements.

Major security enhancement against Cross-Site Request Forgery

A central translation framework got introduced. Foswiki is already available in 20 major languages and dialects. The new translation framework will ease the translation process by allowing contributions from users.

## Foswiki Release 1.0.5 - 25 Apr 2009

Additional 20 bugs fixed.

Some few minor enhancements

New security features added

Upgrade package for 1.0.5 is relative to 1.0.0.

## **Foswiki Release 1.0.4 - 19 Mar 2009**

Small update of 1.0.3 with 33 more bugs fixed incl some severe bugs in EditTablePlugin.

Upgrade package for 1.0.4 is relative to 1.0.0.

The number of bugfixes in 1.0.4 relative to 1.0.0 is more than 100 + some bugs that were introduced and fixed in the not published 1.0.1-1.0.3. There are 5 minor enhancements.

## **Foswiki Release 1.0.3 - 28 Feb 2009**

Both 1.0.1 ,1.0.2, and 1.0.3 were not published because they did not pass the final quality control. Another handful of bugs were fixed.

Upgrade package for 1.0.3 is relative to 1.0.0.

## **Foswiki Release 1.0.2 - 26 Feb 2009**

Same as 1.0.1 but with a handful of additional bug fixes.

Upgrade package for 1.0.2 is relative to 1.0.0 since 1.0.1 was never published on the Foswiki website.

## **Foswiki Release 1.0.1 - 24 Feb 2009**

Patch release containing more than 70 bug fixes and some user interface improvements of configure. Due to a bug (Item1126) the development team decide not to publish this release but instead release 1.0.2 a few days later

Bug fix highlights:

- Fixed some bugs related to expired sessions and date in session cookies.
- Fixed a number of bugs in configure related to installation of extensions
- Fixed a bug that prevented proper operation with https
- Fixed a bug related to VIEW\_TEMPLATE and preview
- Enhanced the user interface of configure

## **Foswiki Release 1.0.0 - 09 Jan 2009**

Foswiki is the old TWiki project under a new name. Restrictions on the use of the TWiki brand resulted in many of its developers continuing the project under the new Foswiki name. Foswiki is backwards compatible with all content from older TWiki installations. Foswiki 1.0.0 ships with a TWikiCompatibilityPlugin installed and activated by default, thus enabling most extensions made for TWiki to work under Foswiki.

### **New features and enhancements**

- Foswiki 1.0.0 is built on a new platform called Foswiki Stand Alone which adds support for FastCGI and enables more optimized functionality in mod\_perl and other similar runtime environments.

Foswiki Stand Alone also enables future features such as running Foswiki by itself without a separate web server (for example, from a stand alone memory key). You can ensure your applications and plugins will work properly on the new platform (and thus with any future capabilities dependent on the new architecture) by testing them out now with Foswiki 1.0.0.

- A TWikiCompatibilityPlugin has been created that enables most extensions made for TWiki to work under Foswiki, and to support seamless migrations from TWiki to Foswiki.
- The PatternSkin has been given a facelift: The PatternSkin topic offers a choice of multiple themes, the sidebar can be placed either on the left or right, a frame can be added around the main content area, and a TWiki theme is available to make it easier for those upgrading from TWiki (dimensions such as the top bar size match the dimensions in the TWiki PatternSkin).
- The "Advanced Search" page now supports a query-based search.
- A new section type, "expandvariables", adds better control over macro expansion in topic templates. You can now create template topics with sections where all macros contained within the sections are expanded.
- A "Copy topic" feature is now present in the "More topic actions" tools.
- IF conditions has been expanded with an "isempty" test condition.
- `viewfile` script can be used as a webserver *ErrorDocument* enabling both more secure attachments and user focused error dialogs.

## Security Updates

Foswiki is much more secure than TWiki 4.2.4.

- Foswiki 1.0.0 has secured by default the powerful but also vulnerable URLPARAM macro against cross site scripting (XSS) attacks. URLPARAM now by default encodes a short list of unsafe characters ' "<>% which eliminates most XSS possibilities encountered with URLPARAM. This protects all topics using the URLPARAM macro without requiring any changes to them.
- Functions QUERYPARAMS, ORIGURL (skin macro) are secured against XSS attacks. QUERYPARAMS, like URLPARAM, is now encoded with the new, safe encoding.
- The print preview link is no longer vulnerable to XSS attacks.
- Additional security fixes have been made, based on security audits performed by the Foswiki team. Sensitive data from the topic text and web client requests are validated for safety.

## Terminology changes in Foswiki

As part of the first Foswiki product release, various topics and terms were changed to avoid using the TWiki brand name and to more accurately reflect their purpose, including the following:

- The TWiki web is now called System, as it contains configuration information for the entire Foswiki installation. The TWikiCompatibilityPlugin provides backwards compatible support for references to the TWiki web, in order to facilitate migrations from TWiki to Foswiki.
- The `%TWIKIWEB%` and `%MAINWEB%` variables are now called `%SYSTEMWEB%` and `%USERSWEB%`
- Topics in the Foswiki distribution have been renamed to eliminate the TWiki word and to make the titles more readable (for example, Plugins, Skins, and so forth).
- All templates, CSS and Javascript names have been changed from `twikiXxxxx` to `foswikiXxxxx`
- Key terminology changes:

| TWiki term             | Foswiki term                                                     |
|------------------------|------------------------------------------------------------------|
| preference(s) variable | preference setting, or macro when referring to expansion of same |
| Topic Template         | Template Topic                                                   |
| TWiki Application      | Wiki Application                                                 |
| TWiki form             | Data form                                                        |

| TWiki term                  | Foswiki term                |
|-----------------------------|-----------------------------|
| TWiki Markup Language (TML) | Topic Markup Language (TML) |
| TWiki Plugin                | Plugin                      |
| TWiki Template              | Skin Template               |
| TWiki variable              | Macro                       |

## Foswiki Hall of Fame

The proud, free, independent Foswiki community.

Highlights:

- **Top 5 core contributors on SVN:** Foswiki:Main.KennethLavrsen, Foswiki:Main.CrawfordCurrie, Foswiki:Main.SvenDowideit, Foswiki:Main.ArthurClemens, Foswiki:Main.OlivierRaginel
- **Top contributors in general on SVN:** Foswiki:Main.KennethLavrsen, Foswiki:Main.CrawfordCurrie, Foswiki:Main.SvenDowideit, Foswiki:Main.ArthurClemens, Foswiki:Main.OlivierRaginel, Foswiki:Main.EugenMayer, Foswiki:Main.KoenMartens, Foswiki:Main.MichaelDaum, Foswiki:Main.GilmarSantosJr, Foswiki:Main.SebastianKlus, Foswiki:Main.WillNorris, Foswiki:Main.SeanMcCarthy, Foswiki:Main.MartinCleaver, Foswiki:Main.RobManson
- **Development Infrastructure:** Foswiki:Main.SvenDowideit, Foswiki:Main.EugenMayer, Foswiki:Main.KoenMartens, Foswiki:Main.CrawfordCurrie, Foswiki:Main.KwangErnLiew, Foswiki:Main.OliverKrueger, Foswiki:Main.OlivierRaginel, Foswiki:Main.WillNorris, Foswiki:Main.ColasNahaboo, Foswiki:Main.KennethLavrsen

## TWiki Release 4.2.1 (Freetown) released 2010-01-17T14:13:06Z

Patch release following the 4.2.0 released 22 Jan 2008

### New Features and Enhancements of TWiki Release 4.2

- **Easier Installation and Upgrade**
  - ◆ New Internal Admin Login feature
  - ◆ The Main.WikiUsers topic is no longer distributed as a default topic in Main web
  - ◆ A new directory `working` which per default is located in the TWiki root which contains `registration_approvals`, `tmp`, and `work_areas`
  - ◆ Configure can now authenticate when connecting to local plugins repository.
- **Usability Enhancements**
  - ◆ New WYSIWYG editor based on TinyMCE replaces the Kupu based editor
  - ◆ New "Restore topic" feature has been added to the *More Topic Actions* menu to easily restore an older version of a topic
- **Application Platform Enhancements**
  - ◆ Enhancements to IF: allows, ingroup, istopic, and isweb
- **Search Enhancements**
  - ◆ New `query` search mode supports SQL-style queries over form fields and other meta-data
- **Skins and Templates Enhancements**
  - ◆ The PatternSkin which is the default skin for TWiki has got a face lift

- ◆ The default templates have been heavily refactored to make it easier to create skins reusing the default skin.
- **Miscellaneous Feature Enhancements**
  - ◆ Many new functions in the API for plugin developers
  - ◆ Table of Content (TOC) feature enhanced
  - ◆ re-architected Pluggable user mapping (between login name and WikiName) to integrate with alternative authentication and Management schemes
  - ◆ Topic based User management has been extracted into a separately update-able package (WikiUsersContrib)
- **Enhancements of Pre-installed Plugins**
  - ◆ CommentPlugin: New `templatetopic` parameter to point to custom comment template topic
  - ◆ EditTablePlugin: Move and delete rows
  - ◆ MailerContrib: Allow Exclusion Of Webs
  - ◆ SpreadsheetPlugin: 6 new math formulas; formula to format time diff
- **Bug Fixes**
  - ◆ More than 300 bugs fixes since 4.1.2

## Hall of Fame of TWiki Release 4.2

Many people have been involved in creating TWiki 4.2. Special thanks go to the most active contributors in the following areas:

- Release management led by Foswiki:Main.KennethLavrsen, ably assisted by Foswiki:Main.SvenDowideit
- Design and development driven by Foswiki:Main.CrawfordCurrie, Foswiki:Main.ArthurClemens, Foswiki:Main.KennethLavrsen and Foswiki:Main.SvenDowideit
- Testing driven by Foswiki:Main.KennethLavrsen

Many thanks also to the contributors in the following areas:

- **Sponsor and facilitator:** TWiki:Main.PeterThoeny
- **Testing and bug fixing:** Foswiki:Main.KennethLavrsen, Foswiki:Main.CrawfordCurrie, Foswiki:Main.ArthurClemens, Foswiki:Main.SvenDowideit, Foswiki:Main.SteffenPoulsen, Foswiki:Main.MichaelDaum, TWiki:Main.PeterThoeny, TWiki:Main.RichardDonkin
- **Spec and code:** Foswiki:Main.CrawfordCurrie (2323), Foswiki:Main.ArthurClemens (566), Foswiki:Main.SvenDowideit (507), TWiki:Main.PeterThoeny (83), Foswiki:Main.KennethLavrsen (73), Foswiki:Main.SteffenPoulsen (72), TWiki:Main.AntonioTerceiro (63) - ( 3857 changes by 20 authors )
- **Templates and skins:** Foswiki:Main.ArthurClemens (587), Foswiki:Main.CrawfordCurrie (130), Foswiki:Main.AndreUlrich (73), Foswiki:Main.SvenDowideit (44) - ( 869 changes by 12 authors )
- **Documentation:** Foswiki:Main.ArthurClemens (460), Foswiki:Main.CrawfordCurrie (377), TWiki:Main.PeterThoeny (233), Foswiki:Main.AndreUlrich (157), Foswiki:Main.SvenDowideit (118), Foswiki:Main.KennethLavrsen (68) - ( 1450 changes by 14 authors )
- **Release package builds:** Foswiki:Main.SvenDowideit
- **Usability:** Foswiki:Main.CarloSchulz, Foswiki:Main.ArthurClemens
- **Translations:** Coordinated by TWiki:Main.AntonioTerceiro
  - ◆ Bulgarian: TWiki:Main.KrassimirBerov
  - ◆ Danish: Foswiki:Main.SteffenPoulsen
  - ◆ Dutch: Foswiki:Main.ArthurClemens
  - ◆ Finnish: TWiki:Main.HeikkiToivonen

- ◆ French: TWiki:Main.BenVoui
- ◆ German: Foswiki:Main.OliverKrueger, Foswiki:Main.AndreUlrich
- ◆ Italian: TWiki:Main.MassimoMancini
- ◆ Portuguese: TWiki:Main.CarlinhosCeconi
- ◆ Simplified Chinese: TWiki:Main.CheDong
- ◆ Swedish: TWiki:Main.ErikAman
- ◆ Traditional Chinese: TWiki:Main.CheDong
- ◆ Ukrainian: TWiki:Main.SerhijDubyk
- **Marketing:** TWiki:Main.RodBeckstrom, TWiki:Main.PeterThoeny, Foswiki:Main.MichaelCorbett, Foswiki:Main.KoenMartens
- **Public relations:** TWiki:Main.PeterThoeny, Foswiki:Main.MichaelCorbett
- **Meetups:** TWiki:Main.AmirShobeiri
- **TWiki.org wiki champions:** TWiki:Main.PeterThoeny, Foswiki:Main.ArthurClemens, Foswiki:Main.CrawfordCurrie, Foswiki:Main.KennethLavrsen, Foswiki:Main.SvenDowideit, Foswiki:Main.MichaelDaum, Foswiki:Main.CarloSchulz, Foswiki:Main.StephaneLenclud, TWiki:Main.RichardDonkin, Foswiki:Main.KoenMartens
- **Customer support:** TWiki:Main.PeterThoeny, Foswiki:Main.ArthurClemens, Foswiki:Main.CrawfordCurrie, Foswiki:Main.SvenDowideit, TWiki:Main.HaraldJoerg
- **System administration:** Foswiki:Main.SvenDowideit, TWiki:Main.PeterThoeny, Foswiki:Main.CrawfordCurrie

If you find an omission please fix it at TWiki:System.ReleaseHistory. For the full list of contributors see ProjectContributor.

**Note:** Order of contributors under "Spec and code", "Templates and skins" and "Documentation" is based on number of SVN file changes for core and default extensions from March 2007 (svn rev:13046) to Jan 2008 (svn rev:16210). (Details at TWiki:Bug:TWiki420SvnLog). Order of contributors under "Testing and bug fixing" is based on Bugs web statistics from 2007-03 to 2007-12. Order of contributors under "TWiki.org wiki champions" and "Customer support" is based on TWiki.org web statistics from 2007-02 to 2007-12.

## TWiki Release 4.1 (Edinburgh), 16 Jan 2007

### New Features and Enhancements of TWiki Release 4.1

- **Easier Installation and Upgrade**
  - ◆ Plugins can now be installed from the configure script.
  - ◆ The loading of plugin preferences settings has been moved earlier in the preferences evaluation order so that plugin settings can be redefined in Main.SitePreferences, WebPreferences and in topics. To make TWiki upgrades easier, it is recommended to set the plugin settings in Main.SitePreferences, and not to customize the settings in the plugin topic. For example, to change the TEMPLATES setting of the CommentPlugin, create a new COMMENTPLUGIN\_TEMPLATES setting in Main.SitePreferences.
  - ◆ Plugin settings can now be defined in configure instead of in the plugin topic (requires that the individual plugin has implemented this). TWiki performs slightly better by not looking for preferences settings in plugin topics.
  - ◆ Configure no longer shows many unnecessary errors when run first time.
  - ◆ The webmaster email address is now defined in configure instead of TWikiPreferences.
  - ◆ Default file access rights in the distribution package have been changed to be more universally defined and in line with the default access rights for new topics.
- **Usability Enhancements**
  - ◆ Redesigned result page when typing incomplete topic name into the Jump box, so that it is possible to quickly navigate to a topic, also in a very large TWiki installation. For example, "I

know there is a topic about Ajax somewhere in the Eng web. OK, let my type `Eng.ajax` into the Jump box... Here we go, the third link is the AjaxCookbook I was looking for."

- ◆ Many user documentation improvements.
- ◆ URL parameters maintained in Table of Contents links so you can stay in a temporary skin (e.g. print) and keep URLPARAM values when you click the TOC links
- ◆ Attachment tables now sorted alphabetically.
- ◆ Better printing of tables and verbatim text in PatternSkin.

#### • **Application Platform Enhancements**

- ◆ Auto-incremented topic name on save with `AUTOINC<n>` in topic name; used by TWiki applications to create topic based database records.
- ◆ The edit and save scripts support a `redirectto` parameter to redirect to a topic or a URL; for security, redirect to URL needs to be enabled with a `{AllowRedirectUrl}` configure flag.
- ◆ CommentPlugin supports the `redirectto` parameter to redirect to a URL or link to TWiki topic after submitting comment.
- ◆ The `topic` URL parameter also respects the `{AllowRedirectUrl}` configure flag so redirects to URLs can be disabled which could be abused for phishing attacks.
- ◆ The view script supports a `section` URL parameter to view just a named section within a topic. Useful for simple AJAX type applications.
- ◆ New plugin handler for content move.
- ◆ Enhancements for Ajax based applications with `Foswiki:Extensions/YahooUserInterfaceContrib` and `Foswiki:Extensions.TWikiAjaxContrib` (available at [twiki.org](http://twiki.org)).

#### • **Search Enhancements**

- ◆ METASEARCH handles a format parameter like `SEARCH`.
- ◆ Topic not found / `WebTopicViewTemplate? search` now case insensitive.
- ◆ FormattedSearch header supporting `$nop`, `$quot`, `$percent`, `$dollar`.
- ◆ Add search by createdate option to `SEARCH`.
- ◆ New newline option for `SEARCH` to protect e.g. formfields from being altered during rendering in `SEARCH`.

#### • **Skins and Templates Enhancements**

- ◆ Support for templates to have text rendering affecting aspect outside of textarea.
- ◆ Pattern skin dependence on `TwistyPlugin` instead of `TwistyContrib?` (performance improvement.)
- ◆ Don't strip newlines from the front of `TMPL:DEFs`.

#### • **Miscellaneous Feature Enhancements**

- ◆ Change in WikiWord definition: Numbers are treated as lower case letters, e.g. Y2K is now a WikiWord.
- ◆ Configurable template load path. Advanced feature for those that work with customized templates.
- ◆ Added `%VBAR%` to `TWikiPreferences` for vertical bar symbol.
- ◆ On topic creation, force initial letter of topic name to be upper case.
- ◆ Allow date format in form fields.
- ◆ Enhance `REVINFO{ }` variable with same date qualifiers as `GMTIME{ }`.
- ◆ `WebTopicCreator` - adding ability to select a template from any topic name ending in `...Template`
- ◆ Functionality of `Foswiki:Extensions.DateFieldPlugin` merged into core

#### • **Enhancements of Pre-installed Plugins**

- ◆ CommentPlugin: Supports removal of comment prompt after a comment is made.



- ◆ EditTablePlugin: Default date format based on JSCalendarContrib instead of plugin topic.
- ◆ InterwikiPlugin: Supports custom link formats.
- ◆ SlideShowPlugin: Preserves URL parameters in slideshow
- ◆ SpreadsheetPlugin: New functions `$LISTRAND()`, `$LISTSHUFFLE()`, `$LISTTRUNCATE()`.
- ◆ TablePlugin: New attribute `cellborder`.
- ◆ TablePlugin: Highlight the sorted column with custom colors; includes also a general cosmetic update of default colors.
- ◆ TablePlugin: Support for initsort on more than one table. A table with the initsort option is initsorted UNLESS it is sorted by clicking on a column header. If you click on a header of another table all other tables goes back to the default sort defined by initsort or not sorted if no initsort, and the new table is sorted based on the user clicking on a table header.

- **Bugfixes**

- ◆ More than 200 bugs fixed since 4.0.5

## Hall of Fame of TWiki Release 4.1

Although many more people have been involved in creating TWiki-4.1, special thanks go to the most active contributors in the following areas:

- **Sponsor and facilitator:** TWiki:Main.PeterThoeny
- **Process improvement:** Foswiki:Main.KennethLavrsen, TWiki:Main.PeterThoeny, Foswiki:Main.SteffenPoulsen, Foswiki:Main.CrawfordCurrie
- **Release management:** Foswiki:Main.KennethLavrsen
- **Spec, code, testing:** Foswiki:Main.CrawfordCurrie, Foswiki:Main.ArthurClemens, Foswiki:Main.SteffenPoulsen, TWiki:Main.PeterThoeny, TWiki:Main.ThomasWeigert, Foswiki:Main.KennethLavrsen, Foswiki:Main.SvenDowideit, TWiki:Main.HaraldJoerg, Foswiki:Main.MichaelDaum, TWiki:Main.MeredithLesly, Foswiki:Main.WillNorris, TWiki:Main.RafaelAlvarez, TWiki:Main.AntonioTerceiro
- **Templates and skins:** Foswiki:Main.ArthurClemens, Foswiki:Main.MichaelDaum, Foswiki:Main.SvenDowideit
- **Documentation:** TWiki:Main.PeterThoeny, Foswiki:Main.CrawfordCurrie, Foswiki:Main.ArthurClemens, Foswiki:Main.SteffenPoulsen, Foswiki:Main.KennethLavrsen
- **Translations:** Coordinated by TWiki:Main.AntonioTerceiro
  - ◆ Chinese: TWiki:Main.CheDong
  - ◆ Czech: TWiki:Main.IvanKuncl
  - ◆ Danish: Foswiki:Main.SteffenPoulsen
  - ◆ Dutch: Foswiki:Main.ArthurClemens
  - ◆ French: TWiki:Main.BenVoui
  - ◆ German: Foswiki:Main.AndreUlrich
  - ◆ Italian: TWiki:Main.MassimoMancini
  - ◆ Polish: TWiki:Main.ZbigniewKulesza
  - ◆ Portuguese: TWiki:Main.AntonioTerceiro, TWiki:Main.CarlinhosCecconi
  - ◆ Russian: TWiki:Main.AndreyTkachenko, TWiki:Main.SergejZnamenskij, TWiki:Main.SergejJSinx, TWiki:Main.AlexTananaev
  - ◆ Spanish: Foswiki:Main.WillNorris, TWiki:Main.MiguelABayona
  - ◆ Swedish: TWiki:Main.ErikAman
- **Public relations:** TWiki:Main.PeterThoeny, TWiki:Main.TomTansy
- **TWiki.org wiki champions:** TWiki:Main.PeterThoeny, Foswiki:Main.CrawfordCurrie, Foswiki:Main.KennethLavrsen, Foswiki:Main.SteffenPoulsen, Foswiki:Main.ArthurClemens, TWiki:Main.ThomasWeigert, Foswiki:Main.MichaelDaum
- **Customer support:** TWiki:Main.PeterThoeny, Foswiki:Main.CrawfordCurrie, Foswiki:Main.ArthurClemens, Foswiki:Main.SteffenPoulsen, TWiki:Main.SteveStark,

Foswiki:Main.MichaelDaum

- **System administration:** Foswiki:Main.SvenDowideit, TWiki:Main.PeterThoeny, Foswiki:Main.CrawfordCurrie

If you find an omission please fix it at TWiki:System.ReleaseHistory. For the full list of contributors see ProjectContributor.

**Note:** Sequence of contributors under "Spec, code, testing", "Templates and skins" and "Documentation" is based on number of SVN check-ins for core and default extensions from 2006-02 to 2006-12. Sequence of contributors under "TWiki.org wiki champions" and "Customer support" is based on TWiki.org web statistics from 2006-02 to 2006-12.

See more details on the TWiki 4.1 release at TWikiReleaseNotes04x01?.

## TWiki Release 4.0.0 (Dakar), 01 Feb 2006

### Major New Features

- Much simpler install and configuration
- Integrated session support
- Webserver-independent login/logout
- Security sandbox blocking exploits for remote command execution on the server
- Edit conflict resolution with automatic merge
- Multilingual UI
- E-mail confirmations for registration
- WYSIWYG editor (beta)
- Hierarchical sub-webs (beta)

Many, many people worked on TWiki-4.0.0. The credits in the table below only list the people who worked on individual enhancements. If you find an omission please fix it at TWiki:System.ReleaseHistory. There were many other contributors; for a full list, visit ProjectContributor.

Most of the redesign, refactoring and new documentation work in Dakar release was done by Crawford Currie. Michael Sparks provided ideas and proof of concept for several improvements. Other people who gave *large* amounts of their time and patience to less sexy aspects of the work, such as testing, infrastructure and documentation, are AntonAylward, KennethLavrsen, LynnwoodBrown, MichaelDaum, Peter Thoeny, SteffenPoulsen, Sven Dowideit, WillNorris.

| Installation & configuration                                                  | Contributor                                    |
|-------------------------------------------------------------------------------|------------------------------------------------|
| Much simpler install and configuration                                        | Crawford Currie, LynnwoodBrown, ArthurClemens  |
| <code>mod_perl</code> safe code for better performance                        | Crawford Currie                                |
| Security                                                                      |                                                |
| Security sandbox blocking exploits for remote command execution on the server | Florian Weimer, Crawford Currie, Sven Dowideit |
| Reworked access permission model                                              | Crawford Currie                                |
| Internationalization & localization                                           |                                                |
| User Interface Internationalisation                                           | AntonioTerceiro                                |
| Chinese translation                                                           | CheDong                                        |
| Danish translation                                                            | SteffenPoulsen                                 |
| Dutch translation                                                             | ArthurClemens                                  |
| French translation                                                            | BenVoui                                        |

| Installation & configuration                                                                                                                                                                                                                                                                                                                            | Contributor                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| German translation                                                                                                                                                                                                                                                                                                                                      | AndreUlrich                                                                                                       |
| Italian translation                                                                                                                                                                                                                                                                                                                                     | MassimoMancini                                                                                                    |
| Polish translation                                                                                                                                                                                                                                                                                                                                      | ZbigniewKulesza                                                                                                   |
| Portuguese translation                                                                                                                                                                                                                                                                                                                                  | AntonioTerceiro, CarlinhosCecconi                                                                                 |
| Spanish translation                                                                                                                                                                                                                                                                                                                                     | WillNorris, MiguelABayona                                                                                         |
| Swedish translation                                                                                                                                                                                                                                                                                                                                     | Erik i½man                                                                                                        |
| New features for users                                                                                                                                                                                                                                                                                                                                  |                                                                                                                   |
| Edit conflict resolution with automatic merge                                                                                                                                                                                                                                                                                                           | Crawford Currie                                                                                                   |
| Fine grained change notification on page level and parent/child relationship                                                                                                                                                                                                                                                                            | Crawford Currie                                                                                                   |
| WYSIWYG editor                                                                                                                                                                                                                                                                                                                                          | Crawford Currie, ColasNahaboo, DamienMandrioli, RomainRaugi                                                       |
| Integrated session support                                                                                                                                                                                                                                                                                                                              | GregAbbas, Crawford Currie                                                                                        |
| Webserver-independent login/logout                                                                                                                                                                                                                                                                                                                      | Crawford Currie                                                                                                   |
| Registration process with e-mail confirmation                                                                                                                                                                                                                                                                                                           | MartinClever                                                                                                      |
| Tip of the Day box in TWiki Home                                                                                                                                                                                                                                                                                                                        | PaulineCheung, Peter Thoeny, AntonAylward                                                                         |
| ATOM feeds                                                                                                                                                                                                                                                                                                                                              | Peter Thoeny                                                                                                      |
| "Force New Revision" check box for topic save                                                                                                                                                                                                                                                                                                           | WillNorris                                                                                                        |
| New features for Wiki administrators and wiki application developers                                                                                                                                                                                                                                                                                    |                                                                                                                   |
| Improved preferences handling                                                                                                                                                                                                                                                                                                                           | ThomasWeigert, Crawford Currie                                                                                    |
| Named include sections                                                                                                                                                                                                                                                                                                                                  | RafaelAlvarez                                                                                                     |
| Create topic names with consecutive numbers                                                                                                                                                                                                                                                                                                             | Sven Dowideit                                                                                                     |
| Parameterized includes                                                                                                                                                                                                                                                                                                                                  | Crawford Currie                                                                                                   |
| Dynamic form option definitions of DataForms with FormattedSearch                                                                                                                                                                                                                                                                                       | MartinClever                                                                                                      |
| SEARCH enhancements with new parameters <code>excludeweb</code> , <code>newline</code> , <code>noempty</code> , <code>nofinalnewline</code> , <code>noise</code> , <code>recurse</code> , <code>zeroreults</code>                                                                                                                                       | Crawford Currie, ArthurClemens, Peter Thoeny, ThomasWeigert                                                       |
| FormattedSearch enhancements with <code>\$changes</code> , <code>\$count</code> , <code>\$formfield(name, 30, ...)</code> , <code>\$summary(expandvar)</code> , <code>\$summary(noheaders)</code> , <code>\$summary(showvarnames)</code>                                                                                                                | ColasNahaboo, Crawford Currie, Peter Thoeny, Sven Dowideit                                                        |
| New TWikiVariables? ACTIVATEDPLUGINS?, ALLVARIABLES?, AUTHREALM?, EMAILS?, FAILEDPLUGINS?, HTTP?, HTTPS?, ICONURL?, ICONURLPATH?, IF?, LANGUAGES?, LOCALSITEPREFS?, LOGIN?, LOGOUT?, MAKETEXT?, META?, PLUGINDESCRIPTIONS?, QUERYSTRING?, STARTSECTION?/ENDSECTION?, SESSION_VARIABLE?, SESSIONID?, SESSIONVAR?, SPACEOUT?, USERLANGUAGE?, WIKIHOMEURL? | ArthurClemens, AntonioTerceiro, Crawford Currie, GregAbbas, Peter Thoeny, Sven Dowideit, WillNorris and many more |
| TWiki form with hidden type and other form enhancements                                                                                                                                                                                                                                                                                                 | LynnwoodBrown, ThomasWeigert                                                                                      |
| Support topic-specific templates for TWiki applications                                                                                                                                                                                                                                                                                                 | ThomasWeigert                                                                                                     |
| Direct save feature for one-click template-based topic creation                                                                                                                                                                                                                                                                                         | LynnwoodBrown, Crawford Currie, ThomasWeigert                                                                     |
| Automatic Attachments showing all files in the attachment directory                                                                                                                                                                                                                                                                                     | MartinClever                                                                                                      |
| Rename, move or delete webs                                                                                                                                                                                                                                                                                                                             | PeterNixon                                                                                                        |
| Hierarchical subwebs (beta)                                                                                                                                                                                                                                                                                                                             | PeterNixon                                                                                                        |
| New features for Plugin developers                                                                                                                                                                                                                                                                                                                      |                                                                                                                   |
| REST (representational state transfer) interface for Plugins                                                                                                                                                                                                                                                                                            | RafaelAlvarez, TWiki:Main.MartinClever, Sven Dowideit                                                             |

| Installation & configuration                           | Contributor                                                            |
|--------------------------------------------------------|------------------------------------------------------------------------|
| New and improved Plugins APIs                          | Crawford Currie, ThomasWeigert                                         |
| Improvements in the TWiki engine room                  |                                                                        |
| Major OO redesign and refactoring of codebase          | Crawford Currie                                                        |
| Automatic build system                                 | Crawford Currie                                                        |
| Extensive test suite, unit tests and testcases         | Crawford Currie                                                        |
| TWiki:Codev.DevelopBranch , DEVELOP branch Bugs system | Sven Dowideit                                                          |
| Documentation, logo artwork, skins:                    |                                                                        |
| Documentation                                          | Crawford Currie, LynnwoodBrown, Peter Thoeny, Sven Dowideit and others |
| Design of TWikiLogos with big "T" in a speech bubble   | ArthurClemens, Peter Thoeny                                            |
| Improved templates and PatternSkin                     | ArthurClemens                                                          |

See more details at [TWikiReleaseNotes04x00?](#)

## 01-Sep-2004 Release (Cairo)

### Major New Features

- Automatic upgrade script, and easier first-time installation
- Attractive new skins, using a standard set of CSS classes, and a skin browser to help you choose
- New easier-to-use save options
- Many improvements to SEARCH
- Improved support for internationalisation
- Better topic management screens
- More pre-installed Plugins: CommentPlugin, EditTablePlugin, RenderListPlugin, SlideShowPlugin, SmiliesPlugin, SpreadSheetPlugin, TablePlugin
- Improved Plugins API and more Plugin callbacks
- Better support for different authentication methods
- Many user interface and usability improvements
- And many, many more enhancements

| Details of New Features and Enhancements of 01-Sep-2004 Release                                                                          | Developer, Sponsor                                       |
|------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| Install: Ship with an automatic upgrade script to facilitate TWiki upgrades. Details                                                     | TWiki:Main.MartinGregory<br>Foswiki:Main.SvenDowideit    |
| Install: New testenv function to change the locks in the TWiki database to the web server user id (automates installation step). Details | TWiki:Main.MattWilkie<br>Foswiki:Main.SvenDowideit       |
| Install: The shipped .htaccess.txt now needs to be edited before it is valid, to help reduce chances of error. Details                   | Foswiki:Main.CrawfordCurrie<br>Foswiki:Main.SvenDowideit |
| Install: Configurable password file handling for different types of encryption. Details                                                  | TWiki:Main.PavelGoran<br>Foswiki:Main.SvenDowideit       |
| Install: Remove office locations from registration. Details                                                                              | TWiki:Main.PeterThoeny                                   |
| Install: Changes to support shorter URLs with Apache Rewrite rules. Details                                                              | TWiki:Main.AntonioBellezza<br>TWiki:Main.WalterMundt     |
| Install: Remove the Know web from the distribution. Details                                                                              | TWiki:Main.PeterThoeny                                   |
| Internationalization: Support use of UTF-8 URLs for I18N characters in TWiki page and attachment names. Details                          | TWiki:Main.RichardDonkin                                 |
| Authentication: Authenticate users when creating new topic in view restricted web. Details                                               | TWiki:Main.JonathanGraehl<br>Foswiki:Main.SvenDowideit   |
| Preferences: TWiki Preferences need to be secured properly. Details                                                                      | TWiki:Main.PeterThoeny                                   |
| Preferences: Use TWiki Forms to set user preferences. Details                                                                            | TWiki:Main.JohnTalintyre                                 |

| Details of New Features and Enhancements of 01-Sep-2004 Release                                                      | Developer, Sponsor                                       |
|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| Skins: New pre-installed skins PatternSkin and DragonSkin. Details                                                   | Foswiki:Main.ArthurClemens<br>TWiki:Main.PeterThoeny     |
| Skins: New skin browser to choose from installed skins. Details                                                      | TWiki:Main.PeterThoeny                                   |
| Skins: Documented set of CSS classes that are used in standard skins. Details                                        | Foswiki:Main.ArthurClemens<br>Foswiki:Main.SvenDowideit  |
| Skins: Added CSS class names to Diff output. Details                                                                 | Foswiki:Main.SvenDowideit                                |
| Skins: Templates can now be read from user topics, as well as from files in the templates directry. Details          | Foswiki:Main.CrawfordCurrie<br>TWiki:Main.WalterMundt    |
| Skins: Ensure that the default template gets overridden by a template passed in. Details                             | TWiki:Main.MartinCleave<br>TWiki:Main.WalterMundt        |
| Skin: Convey an important broadcast message to all users, e.g. scheduled server downtime. Details                    | TWiki:Main.PeterThoeny                                   |
| Skin: Balanced pastel colors for TWiki webs. Details                                                                 | Foswiki:Main.ArthurClemens                               |
| Rendering: Use exclamation point prefix to escape TWiki markup rendering. Details                                    | Foswiki:Main.ArthurClemens                               |
| Rendering: Ordered lists with uppercase & lowercase letters, uppercase & lowercase Roman numerals. Details           | TWiki:Main.DanBoitnott<br>TWiki:Main.PeterThoeny         |
| Rendering: Allow custom styles for the "?" of uncreated topics. Details                                              | Foswiki:Main.SvenDowideit                                |
| Rendering: Render IRC and NNTP as a URL. Details                                                                     | TWiki:Main.PeterThoeny                                   |
| Rendering: Make acronym linking more strict by requiring a trailing boundary, e.g. excluding TLAfoobar. Details      | Foswiki:Main.CrawfordCurrie<br>Foswiki:Main.SvenDowideit |
| Rendering: TWiki Form with Label type. Details                                                                       | TWiki:Main.PeterThoeny                                   |
| Rendering: Web names can now be WikiWords. Details                                                                   | TWiki:Main.PeterThoeny                                   |
| Rendering: New syntax for definition list with dollar sign and colon. Details                                        | TWiki:Main.AdamTheo<br>TWiki:Main.PeterThoeny            |
| Rendering: Table with multi-span rows, functionality provided by Table Plugin. Details                               | TWiki:Main.WalterMundt                                   |
| Variables: New title parameter for TOC variable. Details                                                             | TWiki:Main.PeterThoeny<br>Foswiki:Main.ArthurClemens     |
| Variables: New REVINFO variable in templates supports flexible display of revision information. Details              | TWiki:Main.PeterThoeny<br>Foswiki:Main.SvenDowideit      |
| Variables: Set times to be displayed as gmtime or servertime. Details                                                | TWiki:Main.SueBlake<br>Foswiki:Main.SvenDowideit         |
| Variables: Properly encode parameters for form fields with ENCODE variable. Details                                  | TWiki:Main.PeterThoeny                                   |
| Variables: Expand USERNAME and WIKINAME in Template Topics. Details                                                  | TWiki:Main.PeterThoeny                                   |
| Variables: Expand same variables in new user template as in template topics. Details                                 | TWiki:Main.PeterThoeny                                   |
| Variables: Optionally warn when included topic does not exist; with the option to create the included topic. Details | TWiki:Main.PeterThoeny                                   |
| Variables: In topic text show file-types of attached files as icons. Details                                         | TWiki:Main.PeterThoeny                                   |
| Variables: New variable FORMFIELD returns the value of a field in the form attached to a topic.. Details             | TWiki:Main.DavidSachitano<br>Foswiki:Main.SvenDowideit   |
| Variables: Meta data rendering for form fields with META{"formfield"}. Details                                       | TWiki:Main.PeterThoeny                                   |
| Variables: New PLUGINVERSION variable. Details                                                                       | TWiki:Main.PeterThoeny                                   |
| Variables: URLPARAM now has a default="..." argument, for when no value has been given. Details                      | TWiki:Main.PeterThoeny                                   |
| Variables: URLPARAM variable with newline parameter. Details                                                         | TWiki:Main.PeterThoeny                                   |
| Variables: URLPARAM variable with new multiple=on parameter. Details                                                 |                                                          |

| Details of New Features and Enhancements of 01-Sep-2004 Release                                                                                              | Developer, Sponsor                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
|                                                                                                                                                              | TWiki:Main.PaulineCheung<br>TWiki:Main.PeterThoeny    |
| Search: New switch for search to perform an AND NOT search. Details                                                                                          | TWiki:Main.PeterThoeny                                |
| Search: Keyword search to search with implicit AND. Details                                                                                                  | TWiki:Main.PeterThoeny                                |
| Search: Multiple searches in same topic with new multiple="on" paramter. Details                                                                             | TWiki:Main.PeterThoeny                                |
| Search: Remove limitation on number of topics to search in a web. Details                                                                                    | TWiki:Main.PeterThoeny                                |
| Search: Exclude topics from search with an excludetopic parameter. Details                                                                                   | TWiki:Main.PeterThoeny                                |
| Search: Expand Variables on Formatted Search with expandvariables Flag. Details                                                                              | TWiki:Main.PeterThoeny                                |
| Search: Formatted Search with Web Form variable to retrieve the name of the form attached to a topic. Details                                                | TWiki:Main.FrankSmith<br>TWiki:Main.PeterThoeny       |
| Search: Formatted Search with Conditional Output. Details                                                                                                    | TWiki:Main.PeterThoeny                                |
| Search: Formatted Search with \$parent token to get the parent topic. Details                                                                                | TWiki:Main.PeterThoeny                                |
| Search: New separator parameter to SEARCH supports better SEARCH embedding. Details                                                                          | TWiki:Main.PeterThoeny                                |
| Search: Improved search performance when sorting result by topic name. Details                                                                               | TWiki:Main.PeterThoeny                                |
| Search: New scope=all search parameter to search in topic name and topic text at the same time. Details                                                      | TWiki:Main.PeterThoeny                                |
| Search: New topic parameter for AND search on topic text and topic name. Details                                                                             | TWiki:Main.PeterThoeny                                |
| Search modules uses Perl-style keyword parameters (code cleanup). Details                                                                                    | TWiki:Main.PeterThoeny                                |
| Search: New \$wikiname variable in format parameter of formatted search. Details                                                                             | Foswiki:Main.ArthurClemens                            |
| Search: Sort search by topic creation date. Details                                                                                                          | TWiki:Main.PeterThoeny                                |
| Search: Topic creation date and user in Formatted Search. Details                                                                                            | TWiki:Main.CoreyFruitman<br>Foswiki:Main.SvenDowideit |
| Search: Increase levels of nested search from 2 to 16. Details                                                                                               | TWiki:Main.PeterThoeny                                |
| Plugins: New pre-installed Plugins CommentPlugin, EditTablePlugin, RenderListPlugin, SlideShowPlugin, SmiliesPlugin, SpreadSheetPlugin, TablePlugin. Details | TWiki:Main.PeterThoeny                                |
| Plugins: New callback afterSaveHandler, called after a topic is saved. Details                                                                               | TWiki:Main.WalterMundt                                |
| Plugins: New callbacks beforeAttachmentSaveHandler and afterAttachmentSaveHandler, used to intervene on attachment save event. Details                       | TWiki:Main.MartinClever<br>TWiki:Main.WalterMundt     |
| Plugins: New callbacks beforeCommonTagsHandler and afterCommonTagsHandler. Details                                                                           | TWiki:Main.PeterThoeny                                |
| Plugins: New callback renderFormFieldForEditHandler to render form field for edit. Details                                                                   | TWiki:Main.JohnTalintyre                              |
| Plugins: New callback renderWikiWordHandler to custom render links. Details                                                                                  | TWiki:Main.MartinClever<br>TWiki:Main.WalterMundt     |
| Plugins: New function TWiki::Func::formatTime to format time into a string. Details                                                                          | Foswiki:Main.SvenDowideit                             |
| Plugins: New function TWiki::Func::getRegularExpression to get predefined regular expressions. Details                                                       | TWiki:Main.RichardDonkin                              |
| Plugins: New functions TWiki::Func::getPluginPreferences* to get Plugin preferences. Details                                                                 | TWiki:Main.WalterMundt                                |
| Plugins: New function TWiki::Func::extractParameters to extract all parameters from a variable string. Details                                               | TWiki:Main.PeterThoeny                                |



| Details of New Features and Enhancements of 01-Sep-2004 Release                                                                             | Developer, Sponsor                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| Plugins: New function <code>TWiki::Func::checkDependencies</code> to check for module dependency. Details                                   | Foswiki:Main.CrawfordCurrie<br>Foswiki:Main.SvenDowideit |
| Plugins: A recommendation for where a Plugin can store its data. Details                                                                    | TWiki:Main.PeterThoeny                                   |
| UI: Show tool-tip topic info on WikiWord links. Details                                                                                     | TWiki:Main.PeterThoeny                                   |
| UI: Save topic and continue edit feature. Details                                                                                           | TWiki:Main.ColasNahaboo                                  |
| UI: Change topic with direct save (without edit/preview/save cycle) and checkpoint save. Details                                            | TWiki:Main.MattWilkie<br>Foswiki:Main.SvenDowideit       |
| UI: In attachment table, change 'action' to 'manage'. Details                                                                               | TWiki:Main.PeterThoeny<br>Foswiki:Main.ArthurClemens     |
| UI: Smaller usability enhancements on the file attachment table. Details                                                                    | TWiki:Main.PeterThoeny<br>Foswiki:Main.ArthurClemens     |
| UI: Removes anchor links from header content and places them before the text to fix 'header becomes link'. Details                          | Foswiki:Main.ArthurClemens                               |
| UI: Improved functionality of the More screen. Details                                                                                      | TWiki:Main.PeterThoeny<br>Foswiki:Main.ArthurClemens     |
| UI: Quick reference chart of most used markup is now listed on the edit screen. Details                                                     | Foswiki:Main.ArthurClemens                               |
| UI: Flag for edit script to avoid overwrite of existing topic text and form data. Details                                                   | TWiki:Main.NielsKoldso<br>TWiki:Main.PeterThoeny         |
| UI: Disable Escape key in IE textarea to prevent it cancelling work. Details                                                                | Foswiki:Main.CrawfordCurrie<br>TWiki:Main.PeterThoeny    |
| UI: Improved warning message on unsaved topic. Details                                                                                      | TWiki:Main.MartinGregory<br>Foswiki:Main.SvenDowideit    |
| UI: Reverse order of words in page title for better multi-window/tab navigation. Details                                                    | Foswiki:Main.ArthurClemens                               |
| UI: Provides a framework to create and modify a topic without going through edit->preview->save sequence. Details                           | Foswiki:Main.AndreUlrich<br>Foswiki:Main.SvenDowideit    |
| UI: Set the topic parent to none in More screen, e.g. remove the current topic parent. Details                                              | TWiki:Main.PeterThoeny                                   |
| UI: Use templates to define how file attachments are displayed. Was previously hard-coded. Details                                          | Foswiki:Main.CrawfordCurrie<br>Foswiki:Main.SvenDowideit |
| UI: Topic diff shows unified diff with unchanged context. Details                                                                           | Foswiki:Main.SvenDowideit                                |
| UI: Diff feature shows TWiki form changes in nice tables. Details                                                                           | Foswiki:Main.SvenDowideit                                |
| Code refactoring: The log entry for a save now has a dontNotify flag in the extra field if the user checked the minor changes flag. Details | TWiki:Main.PeterThoeny                                   |
| Code refactoring: Server-side include of attachments accelerates INCLUDE. Details                                                           | Foswiki:Main.CrawfordCurrie<br>TWiki:Main.PeterThoeny    |
| Code refactoring: Move functionality out of bin scripts and into included modules. Details                                                  | Foswiki:Main.CrawfordCurrie<br>Foswiki:Main.SvenDowideit |
| Code refactoring: Move bin script functionality into TWiki::UI modules. Details                                                             | Foswiki:Main.CrawfordCurrie<br>TWiki:Main.PeterThoeny    |
| Code refactoring: Optimize preferences handling for better performance. Details                                                             | TWiki:Main.PavelGoran<br>TWiki:Main.WalterMundt          |
| Code refactoring: Refactor variable expansion for edit and register. Details                                                                | Foswiki:Main.CrawfordCurrie<br>TWiki:Main.PeterThoeny    |
| Code refactoring: Move savemulti script into TWiki::UI::Save. Details                                                                       | TWiki:Main.MattWilkie<br>Foswiki:Main.SvenDowideit       |
| Code refactoring: Topic search is done natively in Perl, it does not depend anymore on system calls with pipes. Details                     | TWiki:Main.PeterThoeny                                   |
| Code refactoring: Fix logical error in upload script which prevented MIME filename from being used. Details                                 | TWiki:Main.WalterMundt                                   |

| Bug Fixes of 01-Sep-2004 Release                                                                                                    | Developer, Sponsor                                    |
|-------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| Fix: Consistently create headings with empty anchor tags. Details                                                                   | TWiki:Main.PeterThoeny                                |
| Fix: TOC does not work for headings containing & without spaces surrounding it. Details                                             | TWiki:Main.PeterThoeny                                |
| Fix: Backslash line break breaks TWiki form definitions. Details                                                                    | Foswiki:Main.CrawfordCurrie<br>TWiki:Main.PeterThoeny |
| Fix: Rename fixes unrelated topic references. Details                                                                               | TWiki:Main.RichardDonkin                              |
| Fix: Bug with infinite recursion in search. Details                                                                                 | TWiki:Main.PeterThoeny                                |
| Fix: Can't send mail with full 'From' address. Details                                                                              | TWiki:Main.PeterThoeny                                |
| Fix: All scripts change to \$bin before execute (for mod_perl2). Details                                                            | TWiki:Main.PeterThoeny                                |
| Fix: Several RSS readers do not show all entries seen in the WebChanges list; repeated updates to the same topics get lost. Details | Foswiki:Main.ArthurClemens                            |
| Fix: TWiki::Access::checkAccessPermission function improperly handles Main and TWiki webs. Details                                  | Foswiki:Main.SvenDowideit                             |
| Fix: Topic save returns error CI Date precedes date in revision. Details                                                            | TWiki:Main.PeterThoeny                                |
| Fix: Double quotes got replaced by " in TWiki forms. Details                                                                        | TWiki:Main.MichaelSparks<br>TWiki:Main.PeterThoeny    |
| Fix: Duplicated Wiki name in .htpasswd entry for sha1 encoding. Details                                                             | TWiki:Main.PeterThoeny                                |
| Fix: When viewing a previous version of a topic, the view script substitutes only one occurrence of the variable EDITTOPIC. Details | TWiki:Main.PeterThoeny                                |
| Fix: Form default values are not working for text fields. Details                                                                   | TWiki:Main.ThomasWeigert<br>Foswiki:Main.SvenDowideit |
| Fix: Formatted searches using a \$pattern which unbalanced parenthesis crash TWiki. Details                                         | TWiki:Main.PeterThoeny                                |
| Fix: Formatted Search uses title but should use name for formfield parameter. Details                                               | TWiki:Main.PeterThoeny                                |
| Fix: GMTIME variable returns unwanted GMT text. Details                                                                             | Foswiki:Main.SvenDowideit                             |
| Fix: Include from other Web links ACRONYMS. Details                                                                                 | TWiki:Main.PeterThoeny                                |
| Fix: Including an HTML file is very slow. Details                                                                                   | TWiki:Main.JohnTalintyre                              |
| Fix: includeUrl() mess up absolute URLs. Details                                                                                    | Foswiki:Main.SvenDowideit                             |
| Fix: Filter out fixed font rendering in TOC to avoid unrendered = equal signs in TOC. Details                                       | TWiki:Main.PeterThoeny                                |
| Fix: The initializeUserHandler is broken for session Plugins. Details                                                               | TWiki:Main.JohnTalintyre                              |
| Fix: SEARCH fails with very large webs. Details                                                                                     | TWiki:Main.PeterThoeny                                |
| Fix: Security alert: User could gain view access rights of another user. Details                                                    | TWiki:Main.KimCovil<br>TWiki:Main.PeterThoeny         |
| Fix: 'print to closed file handle' error of log files are not writable. Details                                                     | TWiki:Main.MartinGregory<br>Foswiki:Main.SvenDowideit |
| Fix: Meta data handler can't process CR-LF line endings. Details                                                                    | TWiki:Main.PeterThoeny                                |
| Fix: METAFIELD meta data is not shown in view raw=on mode. Details                                                                  | TWiki:Main.PeterThoeny                                |
| Fix: Minor XHTML non-compliance in templates and code. Details                                                                      | TWiki:Main.PeterThoeny                                |
| Fix: Getting pages from virtual hosts fails. Details                                                                                | TWiki:Main.JohnTalintyre                              |
| Fix: Create new web fails if RCS files do not exist. Details                                                                        | TWiki:Main.ClausBrunzema<br>Foswiki:Main.SvenDowideit |
| Fix: Metacharacters can be passed through to the shell in File Attach. Details                                                      | TWiki:Main.PeterThoeny                                |
| Fix: Ability to delete non-WikiWord topics without confirmation. Details                                                            | TWiki:Main.PeterThoeny                                |
| Fix: + symbol in password reset fails. Details                                                                                      | TWiki:Main.PeterThoeny                                |
| Fix: Pathinfo cleanup for hosted sites. Details                                                                                     | TWiki:Main.MikeSalisbury<br>Foswiki:Main.SvenDowideit |
| Fix: Software error in SEARCH if regular expression pattern has unmatched parenthesis. Details                                      | TWiki:Main.PeterThoeny                                |



| Bug Fixes of 01-Sep-2004 Release                                                                                                                   | Developer, Sponsor                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| Fix: Pipe chars in the comment field of the attachment table are not escaped. Details                                                              | TWiki:Main.PeterThoeny                                   |
| Fix: Link escaping in preview fails for not quoted hrefs. Details                                                                                  | TWiki:Main.TedPavlic<br>TWiki:Main.PeterThoeny           |
| Fix: Preview expands variables twice. Details                                                                                                      | TWiki:Main.PeterThoeny                                   |
| Fix: Using a proxy with TWiki fails; no proxy-HTTP request, minimal request not HTTP 1.0, requests marked 1.1 are at best 1.0. Details             | TWiki:Main.MichaelSparks<br>TWiki:Main.JohnTalintyre     |
| Fix: Runaway view processes with TWiki::Sore::RcsLite. Details                                                                                     | Foswiki:Main.SvenDowideit                                |
| Fix: Regex Error in WebTopicList with topics that have meta characters in the name. Details                                                        | TWiki:Main.PeterThoeny                                   |
| Fix: Rename script misses some ref-by topics. Details                                                                                              | TWiki:Main.JohnTalintyre                                 |
| Fix: Links to self within the page being renamed are not changed. Details                                                                          | Foswiki:Main.SvenDowideit                                |
| Fix: Rename topic does 'Main.Main.UserName' for attachments. Details                                                                               | TWiki:Main.PeterThoeny                                   |
| Fix: Revision date is set to Jan 1970 when using RCS Lite. Details                                                                                 | Foswiki:Main.SvenDowideit                                |
| Fix: The new dynamically-created SiteMap is very nice, but somewhat slow. Details                                                                  | TWiki:Main.PeterThoeny                                   |
| Fix: The makeAnchorName function did not produce the same results if called iteratively, resulting in problems trying to link to headers.. Details | TWiki:Main.WalterMundt                                   |
| Fix: Statistics page does not provide links to non-wikiword topics. Details                                                                        | TWiki:Main.PeterThoeny                                   |
| Fix: Make TOC link URI references relative. Details                                                                                                | TWiki:Main.MartinGregory<br>TWiki:Main.PeterThoeny       |
| Fix: TWiki hangs when used on Apache 2.0. Details                                                                                                  | Foswiki:Main.SvenDowideit                                |
| Fix: TOC incorrectly strips out links in headers. Details                                                                                          | TWiki:Main.PeterThoeny                                   |
| Fix: The HTML tags that are generated by TOC do not close properly. Details                                                                        | TWiki:Main.PeterThoeny                                   |
| Fix: TOC on INCLUDED topic ignores STOPINCLUDE. Details                                                                                            | Foswiki:Main.WillNorris<br>TWiki:Main.PeterThoeny        |
| Fix: Quotes in tooltip message can break a TWiki form. Details                                                                                     | TWiki:Main.PeterThoeny                                   |
| Fix: Better error message if the file attachment directory is not writable. Details                                                                | Foswiki:Main.CrawfordCurrie<br>Foswiki:Main.SvenDowideit |
| Fix: Image size of PNG files. Details                                                                                                              | Foswiki:Main.ArthurClemens                               |
| Fix: The testenv script distinguishes between real user ID and effective user ID. Details                                                          | TWiki:Main.RichardDonkin                                 |
| Fix: Variables in square bracket links dont work in form fields. Details                                                                           | Foswiki:Main.SvenDowideit                                |
| Fix: Variable with Parameters in Form Fields Disappear. Details                                                                                    | TWiki:Main.PeterThoeny                                   |
| Fix: Verbatim tag should escape HTML entities. Details                                                                                             | TWiki:Main.PeterThoeny                                   |
| Fix: Field names of TWiki Forms can be WikiWords, this is used to link to a help topic. Details                                                    | TWiki:Main.PeterThoeny                                   |
| Fix: Clean up the WebRssBase INCLUDES to use VARIABLES set in TWikiPreferences. Details                                                            | Foswiki:Main.SvenDowideit                                |
| Fix: Resolving variables in included topics. Details                                                                                               | Foswiki:Main.OliverKrueger<br>Foswiki:Main.SvenDowideit  |

## 01-Feb-2003 Release (Beijing)

- **18 Jan 2003** - TWiki:Main.PeterThoeny
  - ◆ Support for /bin/view/Web.TopicName topic view URL (besides the default /bin/view/Web/TopicName URL); useful for InterwikiPlugin links like TWiki:Codev.ReadmeFirst
- **31 Dec 2002** - TWiki:Main.PeterThoeny
  - ◆ Enhanced Plugin API to manipulate topic data with new functions in Func.pm:

- readTopicText, saveTopicText, setTopicEditLock, checkTopicEditLock
- **31 Dec 2002** - TWiki:Main.PeterThoeny
  - ◆ New %NOAUTOLINK% setting in the DefaultPreferences to disable the auto-linking of WikiWords
- **29 Dec 2002** - TWiki:Main.AndreaSterbini, TWiki:Main.PeterThoeny, TWiki:Main.RichardDonkin, Foswiki:Main.SvenDowideit
  - ◆ New Plugin hooks registrationHandler, beforeEditHandler, afterEditHandler, beforeSaveHandler, writeHeaderHandler, redirectCgiQueryHandler, getSessionValueHandler, setSessionValueHandler
- **30 Nov 2002** - TWiki:Main.RichardDonkin
  - ◆ Internationalization ('I18N') support for international characters in WikiWords, such as ISO-8859-15, KOI8-R - also supports Chinese, Japanese, etc.
- **25 Nov 2002** - TWiki:Main.PeterThoeny
  - ◆ Include previous topic revision with %INCLUDE{ "OtherTopic" rev="1.2" }%
- **15 Nov 2002** - TWiki:Main.PeterThoeny
  - ◆ The Go box understands also URLs, useful for special TWikiSkins? handling
- **08 Nov 2002** - TWiki:Main.ColasNahaboo, TWiki:Main.RichardDonkin
  - ◆ In WebNotify, if only the WikiName is specified, the e-mail is taken from the user's home page; if the WikiName is a group name, a notification is sent to all members of the group
- **30 Oct 2002** - TWiki:Main.PeterThoeny
  - ◆ New %NOP{ }% variable in TWikiTemplates? topic gets removed at topic creation time; useful to write protect template topics
- **28 Sep 2002** - TWiki:Main.PeterThoeny
  - ◆ The %URLPARAM{ }% variable in TWikiTemplates? topic gets expanded at topic creation time; useful for dynamic content creation
- **28 Sep 2002** - TWiki:Main.PeterThoeny
  - ◆ New \$logDir introduced in TWiki.cfg to set the log directory
- **13 Sep 2002** - TWiki:Main.PeterThoeny
  - ◆ Renamed the **Test** web to **Sandbox**
- **03 Aug 2002** - TWiki:Main.RichardDonkin
  - ◆ New setlib.cfg file in the bin directory to set the TWiki library path
- **02 Aug 2002** - TWiki:Main.PeterThoeny, TWiki:Main.RyanFreebern
  - ◆ Support for outbound HTTP proxy when including URLs based on new %PROXYHOST and %PROXYPORT% settings in the DefaultPreferences
- **12 Jul 2002** - TWiki:Main.PeterThoeny
  - ◆ The page logo is configurable with new %WIKILOGOIMG%, %TWIKILOGOURL% and %WIKILOGOALT% variables in DefaultPreferences; replacing \$wikiHomeUrl in TWiki.cfg
- **12 Jun 2002** - TWiki:Main.PeterThoeny
  - ◆ New %WIKITOOLNAME% variable in DefaultPreferences; replacing \$wikiToolName in TWiki.cfg
- **31 May 2002** - TWiki:Main.PeterThoeny
  - ◆ New %EDITBOXSTYLE% preferences setting which sets the edit box width automatically to the window width
- **17 May 2002** - TWiki:Main.PeterThoeny
  - ◆ New %URLENCODE{ }% variable to encodes a string for using in a URL parameter, e.g. %URLENCODE{"spaced name"}% returns spaced%20name
- **17 May 2002** - TWiki:Main.PeterThoeny
  - ◆ FormattedSearch can be nested
- **05 May 2002** - TWiki:Main.PeterThoeny
  - ◆ New user home pages are now based on the NewUserTemplate, replacing the /twiki/templates/register.tmpl template file
- **26 Apr 2002** - TWiki:Main.PeterThoeny
  - ◆ New markup to exclude heading from a %TOC% table of content, e.g. ---+!! This

heading is not shown in a TOC

- **13 Apr 2002** - TWiki:Main.PeterThoeny
  - ♦ Form and script to create new webs, see ManagingWebs
- **01 Apr 2002** - TWiki:Main.JohnTalintyre
  - ♦ New data storage framework that lets you use external RCS commands for revision control, or a new native Perl implementation that does not depend on the external RCS commands
- **28 Mar 2002** - TWiki:Main.RichardDonkin
  - ♦ Fixed IE5/IE6-specific problem whereby going back from preview sometimes removes all edit changes
- **23 Mar 2002** - TWiki:Main.JohnTalintyre
  - ♦ New AND search; with regular expression enabled, use the semicolon ";" as the AND operator in %SEARCH{ }% variable, FormattedSearch and WebSearch
- **21 Mar 2002** - TWiki:Main.ColasNahaboo, TWiki:Main.RichardDonkin
  - ♦ Fixed cache issue where the edit page showed outdated content
- **06 Mar 2002** - TWiki:Main.RichardDonkin
  - ♦ Improved statistics script which uses less memory to process large log files
- **09 Jan 2002** - TWiki:Main.JohnTalintyre
  - ♦ Variables inside <verbatim> tags are no longer expanded

## 01-Dec-2001 Release (Athens)

- **25 Oct 2001** - TWiki:Main.PeterThoeny
  - ♦ Added FormattedSearch to %SEARCH{ }% variable for database like reporting.

## 01-Sep-2001 Release

- **30 Aug 2001** - TWiki:Main.JohnTalintyre
  - ♦ Easier install for Windows, including auto detection in TWiki.cfg
- **30 Aug 2001** - TWiki:Main.JohnTalintyre
  - ♦ Ability to move attachments between topics, see FileAttachments
- **21 Aug 2001** - TWiki:Main.PeterThoeny
  - ♦ Convert to XHTML 1.0 function: first step to XHTML-ifying TWiki
- **26 Jun 2001** - TWiki:Main.JohnTalintyre
  - ♦ Category information to forms using the TWikiMetaData? format, see TWikiForms
- **07 Jun 2001** - TWiki:Main.PeterThoeny
  - ♦ New topic templates as topics instead of templates. Customize by editing the topic. Retired notedited.tmpl, notext.tmpl and nofoswiki.tmpl templates. More in TWikiTemplates?.
- **07 Jun 2001** - TWiki:Main.PeterThoeny
  - ♦ New %TOPICLIST{"format"}% and %WEBLIST{"format"}% variables to get a formatted topic index and web index, respectively. More in TWikiVariables?.
- **01 Jun 2001** - TWiki:Main.PeterThoeny
  - ♦ New %URLPARAM{"name"}% variable to query URL parameters. More in TWikiVariables?.
- **01 Jun 2001** - TWiki:Main.AndreaSterbini
  - ♦ API to extend TWiki, see TWikiPluginAPI?
- **01 Jun 2001** - TWiki:Main.KlausWriessnegger, TWiki:Main.AndreaSterbini
  - ♦ Forms to change/reset/install passwords, see ChangePassword & ResetPassword
- **01 May 2001** - TWiki:Main.AndreaSterbini
  - ♦ The AdminGroup (or other group) can be enabled as a SuperAdminGroup. Members have browser edit access to *all* locked topics.
- **01 May 2001** - TWiki:Main.JohnTalintyre

- ◆ Meta information format, see TWikiMetaData?
- **01 May 2001** - TWiki:Main.JohnTalintyre
  - ◆ Attachment under revision control See FileAttachment
- **01 May 2001** - TWiki:Main.JohnTalintyre
  - ◆ Ability to rename/move topics, ManagingTopics
- **27 Mar 2001** - TWiki:Main.PeterThoeny
  - ◆ The table syntax has been enhanced to (i) render | **\*bold\*** | cells as table headers, (ii) render space padded cells | **center aligned** | and | **right aligned** |, (iii) span multiple columns using | **empty cells** |||. More in TextFormattingRules.
- **25 Mar 2001** - TWiki:Main.PeterThoeny
  - ◆ Security fix Questionable files like PHP scripts (executables) and **.htaccess** files that are attached to a topic get a **.txt** suffix appended to the file name. See also TWiki:Codev/FileAttachmentFilterSecurityAlert
- **28 Feb 2001** - TWiki:Main.AndreaSterbini, TWiki:Main.PeterThoeny
  - ◆ New Wiki rule for headings, i.e. ---++ My Title; and new %TOC% variable to build a table of content from headings in a topic. More in TWikiVariables?.
- **28 Feb 2001** - TWiki:Main.PeterThoeny
  - ◆ New Wiki rule to specify arbitrary text for external links (i.e. [[http://TWiki.org][TWiki]]) and internal links (i.e. [[WikiSyntax][syntax]]). More in TWikiVariables?.
- **28 Feb 2001** - TWiki:Main.PeterThoeny
  - ◆ New Wiki rule for named anchors, e.g. links within a topic. Define a named anchor with #MyAnchor at the beginning of a line, and link to it with [[#MyAnchor]]. More in TWikiVariables?.
- **25 Feb 2001** - TWiki:Main.NicholasLee, TWiki:Main.PeterThoeny
  - ◆ Use Net::SMTP module instead of sendmail if installed.
- **01 Feb 2001** - TWiki:Main.PeterThoeny
  - ◆ Added <verbatim> ... </verbatim> tags to show source code "as is". Unlike the <pre> ... </pre> tags, it also shows <, >, & characters "as is".
- **01 Feb 2001** - TWiki:Main.PeterThoeny
  - ◆ Fixed TWiki:Codev/CreateLinkToAttachedFileBug.
- **21 Jan 2001** - TWiki:Main.PeterThoeny
  - ◆ Added a "Minor change, don't notify" checkbox in preview. More in DontNotify.
- **21 Jan 2001** - TWiki:Main.PeterThoeny
  - ◆ Added Bold Fixed formatting using double-equal signs, e.g. write ==Bold Fixed== to get **Bold Fixed**.
- **20 Jan 2001** - TWiki:Main.PeterThoeny
  - ◆ Format changed of %GMTIME{"..."}% and %SERVERTIME{"..."}% variables. Format is now "\$hour:\$min" instead of "hour:min". More in TWikiVariables?. **Attention:** Check your existing topics when you upgrade TWiki!
- **18 Jan 2001** - TWiki:Main.PeterThoeny
  - ◆ WebChanges, WebSearch and e-mail notification indicate also the revision number of a topic (i.e. 18 Jan 2001 16:43 r1.5), or NEW for a new topic (i.e. i.e. 18 Jan 2001 16:43 NEW ).
- **16 Jan 2001** - TWiki:Main.PeterThoeny
  - ◆ New variable %STARTINCLUDE% and %STOPINCLUDE% variables to control what gets included of a topic. More in TWikiVariables?.
- **16 Jan 2001** - TWiki:Main.PeterThoeny
  - ◆ TWiki skins Define a different page layout with a customized header and footer layout, i.e. a print skin for a printable view of a topic. More in TWikiSkins? and TWiki:Codev/TWikiSkins.
- **07 Jan 2001** - TWiki:Main.StanleyKnutson
  - ◆ Better error handling when saving a topic.
- **05 Jan 2001** - TWiki:Main.PeterThoeny
  - ◆ View authorization based on groups. Define who is allowed to see a TWiki web. More in

AccessControl and TWiki:Codev/AuthenticationBasedOnGroups.

- **05 Dec 2000** - TWiki:Main.PeterThoeny
  - ◆ Improved include handling. Infinite recursion of includes are prevented; new variables `%BASEWEB%`, `%INCLUDINGWEB%`, `%BASETOPIC%` and `%INCLUDINGTOPIC%` to have more control over include handling. More in TWikiVariables? and TWiki:Codev/IncludeHandlingImprovements.
- **03 Dec 2000** - TWiki:Main.PeterThoeny
  - ◆ New `noheader="on"` switch in `%SEARCH{...}%` to suppress table header. More in TWikiVariables?.

## 01-Dec-2000 Release

- **03 Nov 2000** - TWiki:Main.PeterThoeny
  - ◆ Flag `$doHidePasswdInRegistration` in `wikicfg.pm` to hide plain text password in registration e-mail.
- **01 Nov 2000** - TWiki:Main.PeterThoeny
  - ◆ New variable `%VAR{"NAME" web="Web"}%` to get web-specific preferences. More in TWikiVariables?.
- **01 Nov 2000** - TWiki:Main.PeterThoeny
  - ◆ Added a "Cancel" link in edit that releases the edit lock.
- **23 Oct 2000** - TWiki:Main.PeterThoeny
  - ◆ Authorization based on groups. Define fine grained control who is allowed to change or create topics. More in AccessControl and TWiki:Codev/AuthenticationBasedOnGroups.
- **05 Oct 2000** - TWiki:Main.PeterThoeny
  - ◆ Remember user by IP address so that `view` "knows" the user once authenticated in `edit`. More in TWikiUserAuthentication?.
- **26 Sep 2000** - TWiki:Main.AlWilliams, TWiki:Main.PeterThoeny
  - ◆ Fixed TWiki:Codev/UppercaseAttachments bug and added png image support.
- **26 Sep 2000** - TWiki:Main.HaroldGottschalk, TWiki:Main.AndreaSterbini, TWiki:Main.PeterThoeny
  - ◆ Allow nesting of variables, i.e. `%INCLUDE{"%SYSTEMWEB%.TWikiWebTable"}%`. More in TWiki:Codev/BetterTWikiTagTemplateProcessing.
- **20 Sep 2000** - TWiki:Main.ManpreetSingh
  - ◆ New `-q` switch in `mailnotify` to suppress all normal output.
- **19 Sep 2000** - TWiki:Main.PeterThoeny
  - ◆ Fixed TWiki:Codev/AttachedNotificationLinksBug.
- **18 Sep 2000** - TWiki:Main.ManpreetSingh, TWiki:Main.PeterThoeny
  - ◆ Added forced internal links. Write `[[text formatting FAQ]]` to get the link text formatting FAQ? that points to topic TextFormattingFAQ?.
- **19 Aug 2000** - TWiki:Main.PeterThoeny
  - ◆ Ref-By link searches all webs (not just the current web.)
- **16 Aug 2000** - TWiki:Main.PeterThoeny
  - ◆ New TWikiPreferences settings `%HTTP_EQUIV_ON_VIEW%`, `%HTTP_EQUIV_ON_EDIT%` and `%HTTP_EQUIV_ON_PREVIEW%` that define the `<meta http-equiv="...">` meta tags for the TWiki templates. This can be used for example to set a document expiration time.
- **29 Jul 2000** - TWiki:Main.PeterThoeny
  - ◆ New variables `%GMTIME{"..."}` and `%SERVERTIME{"..."}`. More in TWikiVariables?.
- **23 Jul 2000** - TWiki:Main.PeterThoeny
  - ◆ Changed include syntax from `%INCLUDE{"Web/TopicName.txt"}%` to `%INCLUDE{"Web.TopicName"}%`. Legacy syntax still supported.
- **23 Jul 2000** - TWiki:Main.PeterThoeny
  - ◆ BookView search allows you show a set of topics for easy printing.
- **22 Jul 2000** - TWiki:Main.PeterThoeny

- ◆ More forgiving syntax for *\*bold\**, *italic*, *\_\_bold italic\_\_* and **fixed**, where it is not necessary anymore to have a trailing space before *.*, *;* *?* *!* characters.
- **22 Jul 2000** - TWiki:Main.PeterThoeny
  - ◆ Split the TWiki.Main web into TWiki.Main (users, company data) and TWiki.TWiki (TWiki related documentation, registration)
- **07 Jul 2000** - TWiki:Main.PeterThoeny
  - ◆ Added an "Release edit lock" checkbox in preview to let other people edit the topic immediately without the one hour lock.
- **07 Jul 2000** - TWiki:Main.PeterThoeny
  - ◆ Fixed problem of losing carriage returns when editing topics with KDE KFM browser or W3M browser.
- **21 Jun 2000** - TWiki:Main.PeterThoeny
  - ◆ Fixed problem that a page redirect on some server environments is not working (host name is needed in URL).
- **21 Jun 2000** - TWiki:Main.CrisBailiff, TWiki:Main.PeterThoeny
  - ◆ Fixed security issue to prevent a server side `%INCLUDE%` of arbitrary files.
- **29 May 2000** - TWiki:Main.PeterThoeny
  - ◆ New `%GMTIME%` variable that shows the current GM time.
- **28 May 2000** - TWiki:Main.PeterThoeny
  - ◆ Lock warning shows remaining lock time in minutes.
- **15 May 2000** - TWiki:Main.PeterFokkinga
  - ◆ Each topic can have its own template file. TWikiTemplates? has more.
- **02 May 2000** - TWiki:Main.KevinKinnell, TWiki:Main.PeterThoeny
  - ◆ Advanced search features like search multiple webs; sort by topic name / modified time / author; limit the number of results returned. More in TWikiVariables?.

## 01-May-2000 Release

- **21 Apr 2000** - TWiki:Main.PeterThoeny
  - ◆ New TWikiVariables? `%HTTP_HOST%`, `%REMOTE_ADDR%`, `%REMOTE_PORT%` and `%REMOTE_USER%`.
- **21 Apr 2000** - TWiki:Main.JohnAltstadt, TWiki:Main.PeterThoeny
  - ◆ TWikiRegistration is done separately for Intranet use (depends on `remote_user`) or Internet use (depends on `.htpasswd` file).
- **20 Mar 2000** - TWiki:Main.PeterThoeny
  - ◆ Uploading a file (topic file attachment) will optionally create a link to the uploaded file at the end of the topic. The preference setting `%ATTACHLINKBOX%` controls the default state of the link check box in the attach file page.
- **11 Mar 2000** - TWiki:Main.PeterThoeny
  - ◆ Better security with taint checking ( `Perl -T` option )
- **25 Feb 2000** - TWiki:Main.PeterThoeny
  - ◆ New preference settings `%EDITBOXWIDTH%` and `%EDITBOXHEIGHT%` to specify the edit box size.
- **25 Feb 2000** - TWiki:Main.PeterThoeny
  - ◆ Edit preferences topics to set TWiki variables. There are three level of preferences Site-level (TWikiPreferences), web-level (WebPreferences in each web) and user-level preferences (for each of the WikiUsers). With this, discontinue use of server side include of `wikiwebs.inc`, `wikiwebtable.inc`, `weblist.inc`, `webcopyright.inc` and `webcolors.inc` files.
- **11 Feb 2000** - TWiki:Main.PeterThoeny
  - ◆ New variable `%SCRIPTSUFFIX%` / `$scriptSuffix` containing an optional file extension of the TWiki Perl script. Templates have been changed to use this variable. This allows you to rename the Perl script files to have a file extension like for example `".cgi"`.
- **11 Feb 2000** - TWiki:Main.PeterThoeny

- ◆ New variable `%SCRIPTURLPATH%` / `$scriptIdPath` containing the script URL without the domain name. Templates have been changed to use this variable instead of `%SCRIPTURL%`. This is for performance reasons.
- **07 Feb 2000** - TWiki:Main.PeterThoeny
  - ◆ Changed the syntax for server side include variable from `%INCLUDE:"filename.ext"%` to `%INCLUDE{"filename.ext"}%`. (Previous syntax still supported. Change was done because of inline search syntax)
- **07 Feb 2000** - TWiki:Main.PeterThoeny
  - ◆ Inline search. New variable `%SEARCH{"str" ...}%` to show a search result embedded in a topic text. TWikiVariables? has more on the syntax. Inline search combined with the category table feature can be used for example to create a simple bug tracking system.
- **04 Feb 2000** - TWiki:Main.PeterThoeny
  - ◆ Access statistics. Each web has a WebStatistics topic that shows monthly statistics with number of topic views and changes, most popular topics, and top contributors. (It needs to be enabled, CompleteDocumentation has more.)
- **29 Jan 2000** - TWiki:Main.PeterThoeny
  - ◆ Fixed bug where TWiki would not initialize correctly under certain circumstances, i.e. when running it under `mod_perl`. Sub `initialize` in `wiki.pm` did not handle `$thePathInfo` correctly.
- **24 Jan 2000** - TWiki:Main.PeterThoeny
  - ◆ Fixed bug where an e-mail address starting with a WikiName was rendered as an internal Wiki link instead of an e-mail address, i.e. `SomeWikiName@somewhere.test`.
- **10 Jan 2000** - TWiki:Main.PeterThoeny
  - ◆ No more escaping for `'%` percent characters. (Number of consecutive `'%` entered and displayed is identical.)
- **03 Oct 1999** - TWiki:Main.PeterThoeny
  - ◆ Limit the number of revisions shown at the bottom of the topic. Example Topic `ReleaseHistory` . { ..... Diffs `r1.10 > r1.9 > r1.8 > r1.7 > ...` } Additional revisions can be selected by pressing the `> . . .` link.

## 01-Sep-1999 Release

- **31 Aug 1999** - TWiki:Main.PeterThoeny
  - ◆ Fixed Y2K bug. (Date in year 2000 had wrong format.)
- **08 Aug 1999** - TWiki:Main.PeterThoeny
  - ◆ New text formatting rule for creating tables. Text gets rendered as a table if enclosed in " " vertical bars. Example line as it is written and how it shows up
- **03 Aug 1999** - TWiki:Main.PeterThoeny
  - ◆ Online registration of new user using web form in TWikiRegistration. Authentication of users.
- **22 Jul 1999** - TWiki:Main.PeterThoeny
  - ◆ Flags `$doLogTopic*` in `wikicfg.pm` to selectively log topic view, edit, save, rdiff, attach, search and changes to monthly log file.
- **21 Jul 1999** - TWiki:Main.PeterThoeny
  - ◆ Flag `$doRemovePortNumber` in `wikicfg.pm` to optionally remove the port number from the TWiki URL. Example `www.some.domain:1234/twiki` gets `www.some.domain/twiki`.
- **15 Jul 1999** - TWiki:Main.PeterThoeny
  - ◆ Search path for include files in `%INCLUDE:"file.inc"%` variable. Search first in the current web, then in parent data directory. Useful to overload default include text in the data directory by web-specific text, like for example `webcopyright.inc` text.
- **07 Jul 1999** - TWiki:Main.ChristopheVermeulen
  - ◆ Link a plural topic to a singular topic in case the plural topic does not exist. Example `TestVersion / TestVersions , TestPolicy / TestPolicies , TestAddress /`

## 01-Jul-1999 Release

- **23 Jun 1999** - TWiki:Main.PeterThoeny
  - ◆ New TextFormattingRules to write ***bold italic*** text by enclosing words with double underline characters.
- **23 Jun 1999** - TWiki:Main.PeterThoeny
  - ◆ Separate wiki.pm into configuration (wikicfg.pm) and TWiki core (wiki.pm) . This is to ease the upgrade of TWiki installations, it also allows customized extensions to TWiki without affecting the TWiki core.
- **21 May 1999** - TWiki:Main.DavidWarman
  - ◆ Externalize copyright text at the bottom of every page into a web-specific webcopyright.inc file. This is to easily customize the copyright text.
- **20 May 1999** - TWiki:Main.PeterThoeny
  - ◆ Added meta tag so that robots index only /view/ of topics, not /edit/, /attach/ e.t.c. Tag <META NAME="ROBOTS" CONTENT="NOINDEX">
- **20 May 1999** - TWiki:Main.PeterThoeny
  - ◆ New variables %WIKIHOMEURL% (link when pressing the icon on the upper left corner) and %WIKITOOLNAME% (the name of the wiki tool =Wiki = ).
- **15 Apr 1999** - TWiki:Main.PeterThoeny
  - ◆ Topic locking Warn user if a topic has been edited by an *other* person within *one* hour. This is to prevent contention, e.g. simultaneous topic updates.
- **26 Mar 1999** - TWiki:Main.PeterThoeny
  - ◆ File attachments Upload and download any file as a topic attachment by using the browser. FileAttachment has more.
- **26 Mar 1999** - TWiki:Main.PeterThoeny
  - ◆ New variables %PUBURL% (Public directory URL) and %ATTACHURL% (URL of topic file attachment).
- **09 Feb 1999** - TWiki:Main.PeterThoeny
  - ◆ New text formatting rule for creating *fixed font text* . Words get shown in *fixed font* by enclosing them in "=" equal signs. Example Writing =fixed font= will show up as *fixed font* .
- **09 Feb 1999** - TWiki:Main.PeterThoeny
  - ◆ No new topic revision is created if the *same* person saves a topic again within *one* hour.
- **03 Feb 1999** - TWiki:Main.PeterThoeny
  - ◆ Possible to view complete revision history of a topic on one page. Access at the linked date in the Changes page, or the Diffs link at the bottom of each topic, e.g.  
Topic TWikiHistory . { Edit Ref-By Diffs r1.3 > r1.2 > r1.1 }  
Revision r1.3 1998/11/10 01:34 by PeterThoeny
- **04 Jan 1999** - TWiki:Main.PeterThoeny
  - ◆ Fixed bug when viewing differences between topic revisions that include HTML table tags like <table>, <tr>, <td>.

## 1998 Releases

- **08 Dec 1998** - TWiki:Main.PeterThoeny
  - ◆ Signature is shown below the text area when editing a topic. Use this to easily copy & paste your signature into the text.
- **07 Dec 1998** - TWiki:Main.PeterThoeny
  - ◆ Possible to add a category table to a TWiki topic. This permits storing and searching for more structured information. Editing a topic shows a HTML form with the usual text area and a table with selectors, checkboxes, radio buttons and text fields. CompleteDocumentation has



more on setup. The TWiki.Know web uses this category table to set classification, platform and OS version.

- **18 Nov 1998** - TWiki:Main.PeterThoeny
  - ◆ Internal log of topic save actions to the file data/logYYYYMM.txt, where YYYYMM the year and month in numeric format is. Intended for auditing only, not accessible from the web.
- **10 Nov 1998** - TWiki:Main.PeterThoeny
  - ◆ The e-mail notification and the Changes topic have now a topic date that is linked. Clicking on the link will show the difference between the two most recent topic revisions.
- **10 Nov 1998** - TWiki:Main.PeterThoeny
  - ◆ View differences between topic revisions. Each topic has a list of revisions (e.g. r1.3) and differences thereof (e.g. >) at the bottom  
Topic TWikiHistory . { Edit Ref-By r1.3 > r1.2 > r1.1 }  
Revision r1.3 1998/11/10 01:34 by TWiki:Main.PeterThoeny
- **26 Oct 1998** - TWiki:Main.PeterThoeny
  - ◆ Added preview of topic changes before saving the topic. This was necessary to prevent unneeded revisions.
- **26 Oct 1998** - TWiki:Main.PeterThoeny
  - ◆ Added revision control using RCS. Each topic has now a list of revisions at the bottom and a revision info, e.g.  
Topic TWikiHistory . { Edit Ref-By r1.3 r1.2 r1.1 }  
Revision r1.3 1998/10/26 01:34:00 by TWiki:Main.PeterThoeny
- **14 Oct 1998** - TWiki:Main.PeterThoeny
  - ◆ Referred-By Find out which topics have a link to the current topic. Each topic has a Ref-By link for that. Note Only references from the current web are shown, not references from other webs.
- **13 Oct 1998** - TWiki:Main.PeterThoeny
  - ◆ Alphabetical topic index in WebSearch.
- **24 Sep 1998** - TWiki:Main.PeterThoeny
  - ◆ Corrected templates for automatic e-mail notification so that MS Outlook can display attachment as an HTML file.
- **13 Aug 1998** - TWiki:Main.PeterThoeny
  - ◆ WikiNotation allows also numbers after the AaA? sequence, e.g. AaA1? is a valid TWikiTopics? name, but not Aa1.
- **07 Aug 1998** - TWiki:Main.PeterThoeny
  - ◆ Automatic e-mail notification when something has changed in a TWiki web. Each web has a topic WebNotify where one can subscribe and unsubscribe.
- **06 Aug 1998** - TWiki:Main.PeterThoeny
  - ◆ Added server side include of files. Syntax is %INCLUDE:"filename.ext"%
- **05 Aug 1998** - TWiki:Main.PeterThoeny
  - ◆ Signature and date is inserted automatically when creating a new topic.
- **04 Aug 1998** - TWiki:Main.PeterThoeny
  - ◆ Separate templates for text of non existing topic and default text of new topic. (template file templates/Web/notedited.tmpl)
- **04 Aug 1998** - TWiki:Main.PeterThoeny
  - ◆ Warn user if new topic name is not a valid Wiki name. (template file templates/Web/nofoswiki.tmpl)
- **31 Jul 1998** - TWiki:Main.PeterThoeny
  - ◆ Support for quoted text with a '>' at the beginning of the line.
- **28 Jul 1998** - TWiki:Main.PeterThoeny
  - ◆ Added TWiki variables, enclosed in % signs %TOPIC% (Topic name), %WEB% (web name), %SCRIPTURL% (script URL), %DATE% (current date), %WIKIWEBMASTER% (Wiki webmaster address), %WIKIVERSION% (Wiki version), %USERNAME% (user name), %WIKIUSERNAME% (Wiki user name).
- **28 Jul 1998** - TWiki:Main.PeterThoeny

- ◆ Topic WebChanges shows Wiki username instead of Intranet username, e.g. PeterThoeny instead of thoeny in case the Wiki username exists. Implementation Automatic lookup of Wiki username in topic WikiUsers.
- **28 Jul 1998** - TWiki:Main.PeterThoeny
  - ◆ Topic index. (Technically speaking a simple '.\*' search on topic names.)
- **28 Jul 1998** - TWiki:Main.PeterThoeny
  - ◆ Topic WebSearch allows full text search and and topic search with/without regular expressions.
- **27 Jul 1998** - TWiki:Main.PeterThoeny
  - ◆ Added automatic links to topics in other TWiki webs by specifying <web name>.<topic name>, e.g. Know.WebSeach.
- **23 Jul 1998** - TWiki:Main.PeterThoeny
  - ◆ Installed initial version, based on the JOS Wiki. See WikiWikiClones for details.

## Dev Flow

The typical TWiki development flow...

- TWiki:Codev.FeatureBrainstorming: open forum for new ideas
- TWiki:Codev.FeatureEnhancementRequest: specific detailed request
- TWiki:Codev.FeatureToDo: prioritized to up-next dev status
- TWiki:Codev.FeatureUnderConstruction: currently in development
- TWiki:Codev.FeatureDone: completed and implemented
- TWiki:Codev.DocRequest: request for documentation
- TWiki:Codev.DocsToDo: feature documentation pending
- TWiki:Codev.FeatureDocumented: documented feature
- ReferenceManual: reference manual for the latest TWiki

Edit | Attach | Print version | History: %REVISIONS% | Backlinks | Raw View | More topic actions  
 Topic revision: r1 - 12 Sep 2009 - 04:11:20 - ProjectContributor

- ☐ System

- Log In

- **Toolbox**

-  Users
-  Groups
-  Index
-  Search
-  Changes
-  Notifications
-  RSS Feed
-  Statistics
-  Preferences

- **User Reference**

- BeginnersStartHere
- TextFormattingRules
- Macros
- FormattedSearch
- QuerySearch
- DocumentGraphics

- SkinBrowser
- InstalledPlugins

- **Admin Maintenance**

- Reference Manual
- AdminToolsCategory
- InterWikis
- ManagingWebs
- SiteTools
- DefaultPreferences
- WebPreferences

- **Categories**

- Admin Documentation
- Admin Tools
- Developer Doc
- User Documentation
- User Tools

- **Webs**

- ☐ Public
- ☐ System

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