

From EULER Project

PmWiki: Release Notes

Version 2.2.4 (2009-07-16)

This release fixes a bug introduced earlier today with HTML entities in XLPages.

Version 2.2.3 (2009-07-16)

This release fixes six potential XSS vulnerabilities, reported by Michael Engelke. The vulnerabilities may affect wikis open for editing and may allow the injection of external JavaScripts in their pages. Public open wikis should upgrade.

A new variable `$EnableUploadGroupAuth` was added; if set to 1, it allows password-protected uploads to be checked against the Group password.

It is now possible to use `@_site_edit`, `@_site_read`, `@_site_admin` or `@_site_upload` global passwords in GroupAttributes pages.

A number of other small bugs were fixed, and the documentation was updated.

Version 2.2.2 (2009-06-21)

The major news in this release is a fix of an AuthUser vulnerability.

The vulnerability affects only wikis that (1) rely on the AuthUser core module for User:Password authentication, -AND- (2) where the PHP installation runs with the variable "magic_quotes_gpc" disabled.

All PmWiki 2.1.x versions from pmwiki-2.1.beta6 on, all 2.2.betaX, 2.2.0, and 2.2.1 are affected.

The PmWiki SiteAnalyzer can detect if your wiki needs to upgrade:

<http://www.pmwiki.org/wiki/PmWiki/SiteAnalyzer>

If your wiki is vulnerable, you should do one of the following at the earliest opportunity:

- Upgrade to a version of PmWiki at least 2.2.2 or greater.
- Turn on `magic_quotes_gpc` in the `php.ini` file or in a `.htaccess` file.

Alternatively, you can temporarily disable AuthUser until you upgrade.

Note that even if your wiki does not have the AuthUser vulnerability at the moment, you are strongly encouraged to upgrade to PmWiki version 2.2.2 or later, as some future configuration of your hosting server might put you at risk.

This release also comes with minor updates in the local documentation; fixes were applied for international wikis - notably global variables in `xlpage-utf-8.php` and a new variable

\$EnableNotifySubjectEncode, which allows e-mail clients to correctly display the Subject header; and a number of other small bugs were fixed.

Version 2.2.1 (2009-03-28)

This release comes with an updated local documentation; wikiTrails now work cross-group; guiedit.php now produces valid HTML, and other small bugs were fixed. We also added \$EnableRedirectQuiet, which allows redirects to take place without any mention of "redirected from page".

Version 2.2.0 (2009-01-18)

This is a summary of changes from 2.1.x to 2.2.0.

- Several pages that were formerly in the Site.* group are now in a separate SiteAdmin.* group, which is read-restricted by default. The affected pages include Site.AuthUser, Site.AuthList, Site.NotifyList, Site.Blocklist, and Site.ApprovedUrls . If upgrading from an earlier version of PmWiki, PmWiki will prompt to automatically copy these pages to their new location if needed. If a site wishes to continue using the old Site.* group for these pages, simply set

```
$SiteAdminGroup = $SiteGroup;
```

when carrying out this upgrade inspect your config files for lines such as

```
$BlocklistDownload['Site.Blocklist-PmWiki'] = array('format' => 'pmwiki');
```

as you may wish to fix then, eg

```
$BlocklistDownload[$SiteAdminGroup . '.Blocklist-PmWiki'] = array('format' => 'pmwiki');
```

- Important Change in Passwords in PmWiki 2.2 indicating that the group can be edited even if a site password is set will be done by "@nopass" prior it was done by "nopass"

When migrating a wiki you will have to manually modify the permission or by a script replace in all the page concerned `passwdread=nopass` : by `passwdread=@nopass` (see [PITS:00961](#)) --isidor

- PmWiki now ships with WikiWords entirely disabled by default. To re-enable them, set either \$LinkWikiWords or \$EnableWikiWords to 1. To get the 2.1 behavior where WikiWords are spaced and parsed but don't form links, use the following:

```
$EnableWikiWords = 1;
```

```
$LinkWikiWords = 0;
```

- It's now easy to disable the rule that causes lines with leading spaces to be treated as preformatted text -- simply set \$EnableWSPre=0; to disable this rule.
Important: There is ongoing discussion that the leading whitespace rule may be disabled *by default* in a future versions of PmWiki. If you want to make sure that the rule will continue to work in future upgrades, set \$EnableWSPre=1; in *local/config.php*.
- The \$ROSPatterns variable has changed somewhat -- replacement strings are no longer automatically passed through FmtPageName() prior to substitution (i.e., it must now be done explicitly).
- Page variables and page links inside of (:include:) pages are now treated as relative to the included page, instead of the currently browsed page. In short, the idea is that links and page variables

should be evaluated with respect to the page in which they are written, as opposed to the page in which they appear. This seems to be more in line with what authors expect. There are a number of important ramifications of this change:

- ◊ We now have a new `{*$var}` form of page variable, which always refers to "the currently displayed page". Pages such as `Site.PageActions` and `Site.EditForm` that are designed to work on "the currently browsed page" should generally switch to using `{*$FullName}` instead of `{$FullName}`.
 - ◊ The `$EnableRelativePageLinks` and `$EnableRelativePageVars` settings control the treatment of links and page variables in included pages. However, to minimize disruption to existing sites, `$EnableRelativePageVars` defaults to **disabled**. This will give existing sites an opportunity to convert any absolute `{$var}` references to be `{*$var}` instead.
 - ◊ Eventually `$EnableRelativePageVars` will be enabled by default, so we highly recommend setting `$EnableRelativePageVars = 1;` in *local/config.php* to see how a site will react to the new interpretation. Administrators should especially check any customized versions of the following:
 - [Site.PageActions](#)
 - [Site.EditForm](#)
 - [Site.PageNotFound](#)
 - SideBar pages with `?action=` links for the current page
 - [\\$GroupHeaderFmt](#), [\\$GroupFooterFmt](#)
 - [Page lists](#) that refer to the current group or page, etc in sidebars, headers, and footers
 - ◊ The `(:include:)` directive now has a `basepage=` option whereby an author can explicitly specify the page upon which relative links and page variables should be based. If no `basepage=` option is specified, the included page is assumed to be the base.
- Sites that want to retain the pre-2.2 behavior of `(:include:)` and other items can set `$Transition['version'] = 2001900;` to automatically retain the 2.1.x defaults.
 - Text inserted via `(:include:)` can contain "immediate substitutions" of the form `{${$option}}` -- these are substituted with the value of any options provided to the include directive.
 - PmWiki now recognizes when it is being accessed via "https:" and switches its internal links appropriately. This can be overridden by explicitly setting [\\$ScriptUrl](#) and [\\$PubDirUrl](#).
 - A new [\\$EnableLinkPageRelative](#) option allows PmWiki to generate relative urls for page links instead of absolute urls.
 - Draft handling capabilities have been greatly improved. When [\\$EnableDrafts](#) is set, then the "Save" button is relabeled to "Publish" and a "Save draft" button appears. In addition, an [\\$EnablePublishAttr](#) configuration variable adds a new "publish" authorization level to distinguish editing from publishing. See [PmWiki:Drafts](#) for more details.
 - There is a new `{$:var}` "page text variable" available that is able to grab text excerpts out of markup content. For example, `{SomePage$:Xyz}` will be replaced by a definition of "Xyz" in `SomePage`. Page text variables can be defined using definition markup, a line beginning with the variable name and a colon, or a special directive form (that doesn't display anything on output):

<code>:Xyz: some value</code>	<code># definition list form</code>
<code>Xyz: some value</code>	<code># colon form</code>
<code>(:Xyz: some value:)</code>	<code># directive form</code>

- The `(:pagelist:)` command can now filter pages based on the contents of page variables and/or page text variables. For example, the following directive displays only those pages that have an "Xyz" page text variable with "some value":

```
(:pagelist $:Xyz="some value":)
```

 Wildcards also work here, thus the following pagelist command lists pages where the page's title starts with the letter "a":

```
(:pagelist $Title=A* :)
```
- The `if=` option to `(:pagelist)` can be used to filter pages based on conditional markup:

```
(:pagelist if="auth upload {=$FullName}":)
```

 pages with upload permission

```
(:pagelist if="date today.. {=$Name}":)
```

 pages with names that are dates later than today
- Spaces no longer separate wildcard patterns -- use commas. (Most people have been doing this already.)
- Because page variables are now "relative", the `{ $PageCount }`, `{ $GroupCount }`, `{ $GroupPageCount }` variables used in pagelist templates are now `{ $PageCount }`, `{ $GroupCount }`, `{ $GroupPageCount }`.
- One can now use `{ $option }` in a pagelist template to obtain the value of any 'option=' provided to the `(:pagelist:)` command.
- The `(:pagelist:)` directive no longer accepts parameters from urls or forms by default. In order to have it accept such parameters (which was the default in 2.1 and earlier), add a `request=1` option to the `(:pagelist:)` directive.
- The `count=` option to pagelists now accepts negative values to count from the end of the list. Thus `count=5` returns the the first five pages in the list, and `count=-5` returns the last five pages in the list. In addition, ranges of pages may be specified, as in `count=10..19` or `count=-10..-5`.
- Pagelist templates may have special `(:template first ...:)` and `(:template last ...:)` sections to specify output for the first or last page in the list or a group. There's also a `(:template defaults ...:)` to allow a template to specify default options.
- PmWiki comes with an ability to cache the results of certain `(:pagelist:)` directives, to speed up processing on subsequent visits to the page. To enable this feature, set `$PageListCacheDir` to the name of a writable directory (e.g., `work.d/`).
- The `(:if ...:)` conditional markup now also understands `(:elseif ...:)` and `(:else:)`. In addition, markup can nest conditionals by placing digits after if/elseif/else, as in `(:if1 ...:)`, `(:elseif1 ...:)`, `(:else1:)`, etc.
- The `(:if date ...:)` conditional markup can now perform date comparisons for dates other than the current date and time.
- [WikiTrails](#) can now specify #anchor identifiers to use only sections of pages as a trail.
- A new `(:if ontrail ...:)` condition allows testing if a page is listed on a trail.
- The extensions .odt, .ods, and .odp (from OpenOffice.org) are now recognized as valid attachment types by default.
- A new [blocklist](#) capability has been added to the core distribution. It allows blocking of posts based on IP address, phrase, or regular expression, and can also make use of publicly available standard blocklists. See [PmWiki.Blocklist](#) for details.
- There is a new [SiteAdmin.AuthList](#) page that can display a summary of all password and permissions settings for pages on a site. This page is restricted to administrators by default.
- There are new `{ $PasswdRead }`, `{ $PasswdEdit }`, etc. variables that display the current password settings for a page (assuming the browser has attr permissions or whatever permissions are set in `$PasswdVarAuth`).
- Forms creation via the `(:input:)` markup has been internally refactored somewhat (and may still undergo some changes prior to 2.2.0 release). The new `(:input select ...:)` markup can be used to create select boxes, and `(:input default ...:)` can be used to set default control values, including for radio buttons and checkboxes.

- The `(:input textarea:)` markup now can take values from other sources, including page text variables from other pages.
- Specifying `focus=1` on an `(:input:)` control causes that control to receive the input focus when a page is loaded. If a page has multiple controls requesting the focus, then the first control with the lowest value of `focus=` "wins".
- PmWiki now provides a `scripts/creole.php` module to enable Creole standard markup. To enable this, add `include_once('scripts/creole.php')` to a local customization file.
- PmWiki adds a new `{ (. . .) }` *markup expression* capability, which allows various simple string and data processing (e.g., formatting of dates and times). This is extensible so that recipe authors and system administrators can easily add custom expression operators.
- It's now possible to configure PmWiki to automatically create Category pages whenever a page is saved with category links and the corresponding category doesn't already exist. Pages are created only if the author has appropriate write permissions into the group. To enable this behavior, add the following to `local/config.php`:

```
$AutoCreate['/^Category\\./'] = array('ctime' => $Now);
```
- Sites with wikiwords enabled can now set `$WikiWordCount['WikiWord']` to -1 to indicate that 'WikiWord' should not be spaced according to `$SpaceWikiWords`.
- WikiWords that follow # or & are no longer treated as WikiWords.
- Links to non-existent group home pages (e.g., `[[Group.]]` and `[[Group/]]`) will now go to the first valid entry of `$PagePathFmt`, instead of being hardcoded to "Group.Group". For example, to set PmWiki to default group home pages to `$DefaultName`, use

```
$PagePathFmt = array('{ $Group }. $1', '$1. { $DefaultName }', '$1. $1');
```
- PmWiki now provides a `$CurrentTimeISO` and `$TimeISOFmt` variables, for specifying dates in ISO format.
- Cookbook authors can use the internal PmWiki function `UpdatePage` (temporarily documented at DebuggingForCookbookAuthors) to change page text while preserving history/diff information, updating page revision numbers, updating RecentChanges pages, sending email notifications, etc.
- Skin templates are now required to have `<!--HTMLHeader-->` and `<!--HTMLFooter-->` directives. Setting `$EnableSkinDiag` causes PmWiki to return an error if this isn't the case for a loaded skin. Skins that explicitly do not want HTMLHeader or HTMLFooter sections can use `<!--NoHTMLHeader-->` and `<!--NoHTMLFooter-->` to suppress the warning.
- Added a new "pre" wikistyle for preformatted text blocks.
- The `xlpage-utf-8.php` script now understands how to space UTF-8 wikiwords.
- Searches on utf-8 site are now case-insensitive for utf-8 characters.
- Many `Abort()` calls now provide a link to pages on `pmwiki.org` that can explain the problem in more detail and provide troubleshooting assistance.
- PmWiki no longer reports "?cannot acquire lockfile" if the visitor is simply browsing pages or performing other read-only actions.
- The `$EnableReadOnly` configuration variable can be set to signal PmWiki that it is to run in "read-only" mode (e.g., for distribution on read-only media). Attempts to perform actions that write to the disk are either ignored or raise an error via `Abort()`.
- Including `authuser.php` no longer automatically calls `ResolvePageName()`.
- Authentication using Active Directory is now simplified. In `Site.AuthUser` or the `$AuthUser` variable, set `"ldap://name.of.ad.server/"` with no additional path information (see `PmWiki.AuthUser` for more details).
- Pages are now saved with a `"charset="` attribute to identify the character set in effect when the page was saved.
- The `phpdiff.php` algorithm has been optimized to be smarter about finding smaller diffs.
- Removed the (deprecated) `"#wikileft h1"` and `"#wikileft h5"` styles from the pmwiki default skin.
- The `mailposts.php` and `compat1x.php` scripts have been removed from the distribution.

Version 2.1.27 (2006-12-11)

This version backports from 2.2.0-beta a bugfix for `$TableRowIndexMax` and also support for the `{*$Variable}` markup.

Version 2.1.26 (2006-09-11)

This version fixes a bug in `feeds.php` that would cause feed entries to be mixed up.

Version 2.1.25 (2006-09-08)

This release fixes a bug in `authuser.php` introduced by the 2.1.24 release.

The skin template code has also been extended to allow `<!--XMLHeader-->` and `<!--XMLFooter-->` as aliases for `<!--HTMLHeader-->` and `<!--HTMLFooter-->`.

Version 2.1.24 (2006-09-06)

This release makes some improvements and fixes to the `AuthUser` capability.

A bug in `authuser.php` that had trouble dealing with non-array values in `$AuthUser` has been fixed.

It is now possible to specify group memberships from *local/config.php* (remember that such entries must come *before* including the *authuser.php* script):

```
# alice and bob's passwords
$AuthUser['alice'] = crypt('alicepassword');
$AuthUser['bob'] = crypt('bobpassword');

# members of the @writers and @admins groups
$AuthUser['@writers'] = array('alice', 'bob');
$AuthUser['@admins'] = array('alice', 'dave');

# carol is a member of @editors and @writers
$AuthUser['carol'] = array('@editors', '@writers');
```

`AuthUser` can now read from Apache-formatted `.htgroup` files. The location of the `.htgroup` file can be done either in *local/config.php* or `Site.AuthUser`

```
# local/config.php:
$AuthUser['htgroup'] = '/path/to/.htgroup';

# Site.AuthUser
htgroup: /path/to/.htgroup
```

Versions 2.1.21, 2.1.22, 2.1.23 (2006-09-05, 2006-09-06)

This release closes a potential security vulnerability for sites that are running with `'register_globals'` set to on. Details of the vulnerability will be forthcoming on the mailing list and site.

Sites that are running with PHP 'register_globals' and 'allow_url_fopen' set to 'On' should upgrade to this release at the earliest opportunity. If upgrading isn't an option, contact Pm for a patch to older versions.

There is now a tool available to analyze PmWiki sites for security and other configuration settings, see [PmWiki:SiteAnalyzer](#).

Version 2.1.23 also corrects a bug that prevented PmWiki from being able to read pagefiles created by versions of PmWiki before 0.5.6.

Version 2.1.20 (2006-09-04)

More minor bugfixes:

- Corrected a bug with WikiWord references appearing in the (:attachlist:) markup.
- Restore ability to remove/override PmWiki's default CSS settings.

Version 2.1.19 (2006-08-30)

This release provides a number of very minor bugfixes and enhancements:

- Fixed a bug in the pageindex code that was causing it to not regenerate as quickly as it should.
- Fixed image/object/embed handling in wikistyles to better support the [Cookbook:Flash](#) recipe.
- Fixed a bug with wikistyles and input form tags.

The next release(s) may have a number of substantial code enhancements and changes, so this release simply closes out a few items before introducing those changes.

Version 2.1.18 (2006-08-28)

This release closes a potential cross-site scripting vulnerability that could allow authors to inject Javascript code through the various table markups.

The release also adds a new (:input image:) markup to generate image input tags in forms.

Finally, this release corrects a problem with ?action=print failing to properly set the {\$Action} page variable.

Version 2.1.17 (2006-08-26)

This release fixes a long-standing bug with [\\$EnableIMSCaching](#) ([PITS:00573](#)), whereby login/logout operations wouldn't invalidate browser caches, causing some people to see versions of a page prior to the login/logout taking place.

The new IMS caching code maintains a "imstime" cookie in the visitor's browser that keeps track of the time of last login, logout, author name change, or site modification. This cookie is then used to determine the proper response to browser requests containing If-Modified-Since headers. (Previously only the time of the last site modification was available.)

Browsers which do not accept cookies will effectively act as though IMS caching is disabled.

Version 2.1.16 (2006-08-26)

This release makes some improvements to skin handling -- primarily this improves the capability of relocating skin files to other locations, and to provide the ability for recipes to insert items at the *end* of HTML output.

This release introduces a `<!--HTMLFooter-->` directive into [skin templates](#), which allows recipes and local customizations to insert output near the end of a document using a `$HTMLFooterFmt` array from PHP.

Also, the `<!--HeaderText-->` directive, which inserts the contents of `$HTMLHeaderFmt` into the output, has now been renamed to `<!--HTMLHeader-->`. PmWiki will continue to recognize `<!--HeaderText-->` to preserve compatibility with existing skins, but `<!--HTMLHeader-->` is preferred.

A new `$SkinLibDirs` array has been introduced which allows the source locations and urls for skins to be specified from a customization file. By default `$SkinLibDirs` is set as

```
$SkinLibDirs = array("./pub/skins/\$Skin"          => "$PubDirUrl/skins/\$Skin",
                    "$FarmD/pub/skins/\$Skin" => "$FarmPubDirUrl/skins/\$Skin");
```

The keys (on the left) indicate the places to look for a "skin .tmpl file" in the filesystem, while the values (on the right) indicate the url location of the "skin css file". Modifying the value of `$SkinLibDirs` allows a skin .tmpl file to be located anywhere on the filesystem.

As far as I can see, none of the changes introduced by this release should have any sort of negative impact on existing sites, so it should be safe to upgrade. (If I'm wrong, please let me know.)

Version 2.1.15 (2006-08-25)

This release includes a number of feature enhancements and code cleanups as reported or requested by administrators.

First, AuthUser's LDAP authentication system now allows the use of a `?filter` parameter, consistent with urls used for `mod_auth_ldap` authorization in Apache. See the newly updated LDAP section of the [AuthUser](#) documentation for more details.

A chicken-and-egg problem with the `@_site_*` authorization groups has been resolved. It's now possible to have a page's read authorization refer to things such as `_site_edit`.

Also, the `RetrieveAuthPage()` function -- used for retrieving pages only if the visitor is authorized to do so -- now recognizes a special level parameter of 'ALWAYS', which means to always authorize access regardless of the browser or visitors current permissions. This may be useful for allowing certain operations to take place from within trusted scripts without having to grant full authorization to the browser.

Hardcoded instances of the `local/` directory now use a customizable `$LocalDir` variable. This variable controls where PmWiki looks for `local/config.php` and per-group customization files. It may be useful for some [Wiki Farm](#) contexts. Note that this does not change or affect the location of `$FarmD/local/farmconfig.php`.

Some minor internal changes have been made to `scripts/wikistyles.php` to better accommodate the wikipublisher recipe. It's probably better if we don't try to explain them. :-)

Version 2.1.13, 2.1.14 (2006-08-15, 2006-08-16)

This release fixes a bug in handling numeric passwords, and also allows ldaps:// authentication sources.

Version 2.1.12 (2006-08-07)

This version introduces the ability to nest divs and tables. The standard `(:table:)` and `(:div:)` markups are still available, except that a `(:div:)` may contain a `(:table:)` and vice-versa.

As in previous versions of PmWiki, the `(:div:)` markup automatically closes any previous `(:div:)`. However, there are now `(:div1:)`, `(:div2:)`, etc. markups (and the corresponding `(:div1end:)`, `(:div2end:)`, ...) which can be used to uniquely distinguish divs for nesting purposes.

To restore PmWiki's previous "non-nested" div behavior, set `$Transition['nodivnest'] = 1`; in a local customization file.

Other changes in this release:

- Add a `(:noaction:)` directive to suppress display of page actions.
- Allow anchor tags to contain colons, hyphens, and dots.
- Add "white-space" as an allowed wikistyle.
- Other minor bug fixes and typographical corrections.

Version 2.1.11 (2006-06-09)

This is a minor update that prevents `%define=` wikistyles from generating empty paragraphs in the HTML output. Prior to this release, markup lines containing only wikistyle definitions would often generate empty paragraphs (`<p></p>`), this release changes things so that a markup line beginning with `%define=` and containing only wikistyle definitions will not initiate a new paragraph.

Version 2.1.10 (2006-06-03)

Version 2.1.4 introduced an `{ $Action }` page variable that would contain the current `?action=` value. Unfortunately, this page variable conflicted with a pre-existing `$Action` global variable that was being used by skins to display a human-friendly form of the current action. Since there's not really a clean way to resolve this, I've decided to keep `{ $Action }` as a page variable with the current action value (as introduced in 2.1.4), and change the global for skins to be `$ActionTitle`. This will require updating skins to use `$ActionTitle` instead of `$Action`. I apologize for the conflict.

This release adds a `Site.LocalTemplates` page for the `fmt=#xyz` option in `pagelist` and search results. The list of pages to be searched can be customized via the `$FPLTemplatePageFmt` variable. The `fmt=#xyz` option will now also search the current page for a matching template before searching `Site.LocalTemplates` and `Site.PageListTemplates`.

The 'pmwiki' skin now places a `` around the "Recent Changes" link in the header to make it somewhat easier to style.

Version 2.1.9 (2006-06-02)

This release fixes a long-standing and difficult-to-find bug with the handling of `[[~Author]]` links.

Version 2.1.8 (2006-06-01)

This release simply changes the `$NotifyListFmt` variable to be `$NotifyListPageFmt` (more descriptive), and adds a `$NotifyList` array that can be used to specify notification entries from a configuration file.

Version 2.1.7 (2006-05-31)

This release introduces a variety of improvements and bugfixes.

Vspace paragraphs are now divs: Version 2.1.7 changes the way that PmWiki handles vertical space in output (the infamous `<p class='vspace'></p>` sequence). Instead of using paragraphs, PmWiki now generates `<div class='vspace'></div>` for vertical space sequences. In addition, PmWiki is able to collapse the `vspace` `<div>` with any subsequent paragraph tags, such that a sequence like

```
<div class='vspace'></div><p>...paragraph text...</p>
```

is automatically converted to

```
<p class='vspace'>...paragraph text...</p>
```

This allows for better control over paragraph spacing. It is expected that this change in `vspace` handling will not have any detrimental effects on existing sites. Sites that have set custom values for `$HTMLVSpace` will continue to use the custom value. A site that wants to restore PmWiki's earlier handling of `vspace` can do so by adding the following to `local/config.php`:

```
$HTMLVSpace = "<p class='vspace'></p>";
```

Improved email notifications of changes: Version 2.1.7 incorporates a `notify.php` script that provides improved capabilities for sending email notifications in response to page changes. This script is intended to replace the previous `MailPosts` capability, which is now deprecated (but will continue to be supported in PmWiki 2.1.x). Details and instructions for using `notify.php` are in the [PmWiki.Notify](#) page.

Added 'group home page' syntax: A group name followed by only a dot or slash is automatically treated as a reference to the group's home page, whatever it happens to be. This simplifies some pagelist templates as well as a number of other items. In particular, group links in pagelist output now points to the correct locations (instead of being a page in the current group).

Several bugs and vulnerabilities have been fixed:

- The default width of edit forms is now more appropriate for Internet Explorer.
- Authentication failure messages from LDAP are now suppressed.
- Some cross-site scripting vulnerabilities in uploads and page links have been corrected (courtesy Moritz Naumann, http://moritz-naumann.com/approve_sites).
- A problem with invalid pagenames resulting in redirect loops has been corrected.

Version 2.1.6 (2006-05-22)

The primary improvement in this release is the addition of a pagename argument to the `(:if auth:)` conditional markup. Thus one can display markup based on a visitor's authorization to a page other than the current one. For example, to test for edit privileges to `Main.WikiSandbox`, one would use `(:if auth edit Main.WikiSandbox:)`. As before, if the pagename is omitted the directive tests authorization to the current page.

This release also restores the ability to have hyphens in InterMap link names.

Lastly, the release closes a potential cross-site scripting vulnerability in the WikiTrail markup, and provides some small performance improvements.

Version 2.1.4, 2.1.5 (2006-03-29)

This release fixes a few more bugs:

- Pagelist-based feeds using `?action=rss` work again.
- Multi-term searches with special characters is fixed.

The release also adds a couple of items:

- There is now an `{ $Action }` page variable.
- Usernames and passwords submitted to `authuser.php` can contain quotes.
- The `(:attachlist:)` command now uses a natural case sort.

Version 2.1.3 (2006-03-17)

This release fixes a bug that prevents the `lines=` option from working on sites running PHP 5.1.1 or later. It also re-fixes a bug involving empty passwords and LDAP authentication.

Version 2.1.2 (2006-03-16)

This release fixes a bug with handling "nopass" passwords. It also makes some speed improvements to large web feeds, and fixes a couple of minor HTML tag mismatches.

Version 2.1.1 (2006-03-13)

This release primarily fixes a bug with passwords containing multiple authorization groups, and in the process slightly liberalized the formatting of "@group" and "id:name" handling. This release also adds a new mechanism for managing and displaying FAQ pages.

Version 2.1.0 (2006-03-12)

This set of release notes is fairly lengthy, as it chronicles all of the changes since 2.0.13 (four months of development). A lot remains the same, but some changes warrant extra care when upgrading from a 2.0.x version to 2.1.0 (thus the major revision number change). As always, questions and issues can be mailed to the

pmwiki-users mailing list.

Here's the list:

- WikiWords are now disabled by default. To enable them, set "`$LinkWikiWords = 1;`" in a local customization file. As of 2.1.beta2, you can now leave WikiWords enabled but have links to non-existent pages display without decoration -- to do this, place the following lines in `pub/css/local.css`:

```
span.wikiword a.createlink { display:none; }
span.wikiword a.createlinktext
{ border-bottom:none; text-decoration:none; color:inherit; }
```

- The `(:pagelist:)` code has been substantially revised. Pagelist formatting can now be specified using markup, and several defaults are available from Site.PageListTemplates. Also, several built-in pagelist formatting functions (FPLSimple, FPLByGroup, FPLGroup) are now removed in favor of the template code. The FPLByGroup function can be restored by setting `$Transition['fplbygroup']=1;`. **Remark:** Check to see if your page Site.PageListTemplates is not passwordprotected for viewing, otherwise the resulting pagelist will not be shown.
- `(:pagelist:)` now also understands wildcards in `group=` and `name=` arguments, as well as excluding specific names and groups.
- `(:pagelist:)` now has an "order=random" option.
- `(:searchbox:)` now accepts "group=", "link=", "list=", etc. options to be passed along to the search results. It also accepts a "target=" option that identifies the page on which to send the search query.
- `?action=search` will display the contents of the current page if it contains a `(:searchresults:)` directive, otherwise it uses the content of the page identified by `$PageSearchForm` (default is the search page for the current language translation).
- PmWiki no longer maintains a ".linkindex" file -- it now has a ".pageindex" file that contains not only a table of links, but also words used in each page (to speed up term searches). The maintenance of the .pageindex file can be disabled by setting `$PageIndexFile=""`;
- The `$EnablePageListProtect` variable now defaults to true, so that read-only pages appear in pagelists only if the visitor has read authorization. Note that this can also slow down some `(:pagelist:)` and search commands, so if the site doesn't have any read-only pages or if you aren't worried with cloaking read-only pages from searchlists, it might be worth setting `$EnablePageListProtect=0;`.
- Whitespace indentation rules now exist and are enabled by default. Any line that begins with whitespace and aligns with a previous list item is considered to be "within" that list item. Text folds and wraps as normal, and the `(:linebreaks:)` directive is honored. To turn off whitespace indentation, use `DisableMarkup('^ws');`.
- A single blank line after a `!!Heading` is silently ignored.
- The `(:redirect:)` directive is now a true markup, and can be embedded inside conditional markups or includes. It also allows redirecting to an anchor in a page, such as `(:redirect PageName#anchor:)`. A new `from=` option allows the redirect to take place only from pages that match the given wildcard specification. The `status=` option allows a 301, 302, 303, or 307 HTTP status code to be returned.
- The built-in authorization function has gone through some substantial internal changes, however these changes should be fully backward compatible so that it doesn't impact any existing sites. (If it *does* cause a problem, please let me know so I can investigate why!) The password prompts are now specified by an admin-customizable Site.AuthForm page. In addition, the authorization function no longer creates PHP sessions for visitors that aren't being authenticated.

- The `authuser.php` has likewise been substantially updated. The new version should have complete backwards compatibility with previous `authuser.php` settings, but this version also offers the ability to configure authentication resources and authorization groups through the [Site.AuthUser](#) page. Note that by default the [Site.AuthUser](#) page can only be edited using the admin password.
- The `$EnableSessionPasswords` variable can be used to control whether passwords are held in PHP sessions. (This does not affect user authentication via [AuthUser](#), however.)
- The `$Author` variable now defaults to `$AuthId` if not otherwise set by a script or cookie.
- The [Site.SideBar](#) page now defaults its edit password to the sitewide edit password (in `$DefaultPasswords['edit']`).
- PmWiki now supports a "draft edit" mode, enabled by `$EnableDrafts = 1`. This creates a "Save as draft" button that will save a page under a "-Draft" suffix, for intermediate edits.
- There is now an `?action=login` action available.
- A potential security vulnerability for sites running PHP 5 with `register_globals` enabled has been fixed.
- The `[[PageName |+]]` markup is now available by default; this creates a link to `PageName` and uses that page's title as the link text.
- What used to be "markup variables" are now "[page variables](#)". These are always specified using the `{ $variable }` syntax, and can be used in markup and in `$...Fmt` strings. In addition, one can request a value for a specific page by placing the pagename in front of the variable, as in `{ pagename$variable }`.
- The `scripts/rss.php` script is now `scripts/feeds.php`, and is a complete redesign for [web feed](#) generation. The new version supports UTF-8 and other encodings, can generate Atom 1.0 (`?action=atom`), Dublin Core Metadata (`?action=dc`) output, and enclosures for podcasting. It also allows feeds to be generated from trails, groups, categories, and backlinks, and provides options (same as pagelists) for sorting and filtering the contents of the feed. Most sites can simply switch to using `include_once("scripts/feeds.php")`; instead of the previous `rss.php` include. The `rss.php` file has been removed from the distribution (but still works with PmWiki 2.1 for those sites that wish to continue using it).
- [InterMap](#) entries can now come from a [Site.InterMap](#) page as well as the `local/localmap.txt` and `local/farmmap.txt` files. The format of these files has changed slightly, in that the InterMap name should now have a colon after it (previously the colon was omitted).
- We can now provide better control of robot (webcrawler) interactions with a site to reduce server load and bandwidth. The `$RobotPattern` variable is used to detect robots based on the user-agent string, and any actions not listed in the `$RobotActions` array will return a 403 Forbidden response to robots. In addition, setting `$EnableRobotCloakActions` will eliminate any forbidden `?action=` values from page links returned to robots, which will reduce bandwidth loads from robots even further ([PITS:00563](#)).
- Non-existent page handling has been improved; whenever a browser hits a non-existent page, PmWiki returns the contents of [Site.PageNotFound](#) and a 404 ("Not Found") status code.
- Page links that have `"?action="` in their query arguments are now treated as "existing page" links even if the page does not exist.
- The PmWiki default skin now adds `rel='nofollow'` to various action links.
- Some of the CSS styles in the PmWiki default skin have been changed for better presentation.
- The gui edit buttons have transparent (instead of white) borders so they integrate better into skins.
- The `$EnableIMSCaching` variable is now much smarter, it can detect changes in local customization files as well as pages.
- [WikiStyles](#) can now make percentage specifications by using "pct" to mean "%".
- Class attributes in [WikiStyle](#) shortcuts are now cumulative, so that `%class1 class2%` results in `class='class1 class2'` instead of just `class='class2'` in the output.
- A problem with the `(:include PageName#from#:)` markup not working has been fixed ([PITS:00560](#)).

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- Viewing a GroupHeader or GroupFooter page no longer displays the contents twice.
- It's now easier to share pages among multiple sites (e.g., [WikiFarms](#)), see [Cookbook:SharedPages \(PITS:00459\)](#).
- A problem with nested apostrophe markups has been fixed ([PITS:00590](#)).
- PmWiki is now smarter about not surrounding block HTML tags with <p>...</p> tags.
- If an `[[#anchor]]` is used more than once in a page, only the first generates an actual anchor (to preserve XHTML validity).
- There are now `(:if equal ...:)` and `(:if exists pagename:)` [conditional markups](#).
- Compound conditional markup expressions are now possible -- e.g. `(:if [group PmWiki && ! name PmWiki] :)`.
- Added an `$InputValues` array that can supply default values for certain form controls ([PITS:00566](#)).
- The default setting of `$UploadUrlFmt` is now based on `$PubDirUrl` instead of `$ScriptUrl`.
- The `$text` global variable has been removed (use `$_GET['text']`, `$_POST['text']`, or `$_REQUEST['text']`).
- A possible problem with url-encoding of attachments with non-ASCII characters has been addressed ([PITS:00588](#)).
- Page actions in non-existent pages no longer display with non-existent link decorations.
- A README.txt file has been added, and several documentation files are now available through the docs/ directory.
- PmWiki is no longer available through CVS on sourceforge.net. It is now available via SVN on pmwiki.org, at svn://pmwiki.org/pmwiki/tags/latest . For more details, see [PmWiki:Subversion](#).
- The `$NewlineXXX` variable (deprecated in 2.0.0) has been removed.
- There is experimental support for server-side caching of pages that take a long time to render; this is currently an unsupported feature and may be removed in future releases.

Wiki administrators should note that from this release on PmWiki defaults to having WikiWords disabled.

To make sure WikiWords are enabled, use `$LinkWikiWords = 1;` in the *local/config.php* file.

Bugs and other requests can be reported to the PmWiki Issue Tracking System at <http://www.pmwiki.org/wiki/PITS/PITS>. Any help in testing, development, and/or documentation is greatly appreciated..

[Release Notes archive](#) - notes for versions older than 2.1.0.

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