

phpWebFileManager

web file management PHP tool

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phpWebFileManager: web file management PHP tool
by Ondrej Jombik

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Chapter 1. Introduction

1.1. Overview

phpWebFileManager is file management PHP tool. It is designed for inclusion into large projects using appropriate PHP mechanisms, in example `require()` or similar function. However, it can be also used as a standalone web application.

1.2. Features

The most important features offered by phpWebFileManager are:

- easy and straightforward installation
- secure directory browsing
- directory creating, renaming and removing
- file creating, uploading, renaming, deleting and viewing
- file edition and saving
- huge configuration ability to allow/deny appropriate actions
- PostNuke module (add-on) compatibility
- multilanguage support

and others.

1.3. Requirements

phpWebFileManager requires PHP interpreter without any special modules. It is developed with with PHP 4.10.0. Although I haven't tested it, it should work also with another versions of PHP, even PHP 3.x.x. Please notify phpWebFileManager developer in the event you encounter problems with program's compatibilities or capabilities.

1.4. Supported clients

Netscape Navigator, Opera, Mozilla, Konqueror, Microsoft Internet Explorer, Lynx, Links and all others HTML compliant clients are supported. Nor Javascript nor other forms of client side scripting are used.

Chapter 2. Usage

2.1. Installation

Unpack archive to some directory, which could be accessed from Web.

Change mode of created phpWebFileManager directory so it can be accessed from Web. Command

```
chmod -R u=rwX,g-rwx,o=rX phpWebFileManager/
```

will do the job. Installation is done.

2.2. Configuration

Configuration variables are located in `config.inc.php` file. It is recommended to leave this file untouched and create `config-local.inc.php` file, where your own configuration definitions will be stored. If this file is present, it is included after `config.inc.php` file. Described approach should bring you more easy upgrading in future releases.

Original variables property

Determine if you want to use phpWebFileManager as a standalone web application or you want to include it in some bigger project.

- If you want to use it as an standalone application, edit the config file and ignore `$fm_cfg['origvars']` variable.
- If you want to use as a part of some bigger project, edit the config file with focusing on `$fm_cfg['origvars']`. phpWebFileManager provides itself a lot of actions such as confirm of deletion file and others. `$fm_cfg['origvars']` are variables, which will be kept by phpWebFileManager, so each page reload will be processed in right way by others components of your PHP script.

If `$fm_cfg['origvars']` is not a constant, you can comment it out in config file and always set it in your main program to the right value before doing command which will include `index.php` file of phpWebFileManager project.

Other properties

Than edit others variables in config file. More information about every specific variable are described in `config.inc.php` file.

Header and footer redefinition

There is a possibility to change header and footer of phpWebFileManager. You may define in your local configuration file two functions: `fm_header()` and `fm_footer()`. These functions accept one parameter - associative array with file some management variable values. Use `var_dump()` to debug this associative array to get idea what options are passed in. If these function will not be defined in configuration file, default ones will be used. They are located near beginning of `index.php` file and they could be used as an inspiration for you own header and footer functions.

File upload

If you want to provide file uploading, you must create world writeable directory. Imagine that it is directory `upload/`, so than run command

```
chmod o+w upload/
```

to make it world writeable.

PostNuke compatibility

Since version 0.2.2 phpWebFileManager has an ability to act as a PostNuke module (add-on).

Simply copy the directory into `modules/` subdirectory of your PostNuke installation. Than log into administration and in subsection Modules regenerate module list. You can than initialize and activate phpWebFileManager module and if you like, make it accessible through some block and so on.

You might want also use some of security features of PostNuke. If you choose to have phpWebFileManager menu entry visible only for trusted user with admin rights, go to the administration subsection Permissions and make appropriate changes.

PostNuke specific configuration is overridden in `init.inc.php` file. Note, that currently none from allow/deny file management actions features are used. This will probably change soon, when someone from the PostNuke community help me with setting up particular rights according to internal PostNuke user information.

Plugins

Since version 0.3 of phpWebFileManager you can use also plugins attached to distribution.

The first one, `auth.php`, allows you to restrict access to phpWebFileManager script using HTTP authentication. Refer to that file for more information. You have to edit username and password in that file and set up (just uncomment) appropriate `require_once` call in `config.inc.php` configuration file.

The second plugin is called `file.php`. It allows you to restrict access to View files. More information about usage of this plugin are in that file, where you may also need to edit location of `apache-mime.types` file.

2.3. Running

If you have edited config file and wanted phpWebFileManager as a standalone application, try to access phpWebFileManager using some web browser.

If you want to run it as a part of some other PHP web application, write `include()` or `require()` command with path and filename to the `index.php` file of phpWebFileManager project on the place, where you want to have file manager.

2.4. Security notes

If you want to secure phpWebFileManager, put security stuff commands or `include()` command to security stuff script at the beginning of config file. That file is loaded by `init.inc.php` at the beginning of script execution.

Chapter 3. Other information

3.1. Author and homepage

Developed by Ondrej Jombik <nepto@platon.sk>, <http://nepto.sk/>.

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The official phpWebFileManager homepage is: <http://platon.sk/projects/phpWebFileManager/>

The phpWebFileManager project management page is:
http://platon.sk/projects/main_page.php?project_id=4

This documentation is related to phpWebFileManager version 0.7 which was released in 2nd October 2005.

3.2. License

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2, or (at your option) any later version.

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You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 59 Temple Place - Suite 330, Boston, MA 02111-1307, USA.

3.3. Support and feedback

Bug-tracking system

We are happy to accept bug reports, suggestions for improvement, or improved code, preferably via our Platon.SK (<http://platon.sk/>) bug-tracking system where everyone can see them. When submitting a new bug report, make sure the same bug is not already submitted. If not, go straight to the new bug submission link and enter exhaustive details by filling out all the required fields.

All bugs listing page: http://platon.sk/projects/view_all_bug_page.php?project_id=4

New bug submission: http://platon.sk/projects/bug_report_advanced_page.php?project_id=4

Support forum

A web based forum has been established to provide support for phpWebFileManager. There you can discuss and consult general issues related to this project. Installation, configuration and usage questions can be asked there. The forum is also the right place for brainstorming about new features, since more opinions and points of view can be presented. The whole matter needs to be completely re-thought before it will be submitted into bug-tracking system, marked as a feature request and finally implemented.

<http://platon.sk/forum/projects/?c=4>

Feedback

Feel free to correct the text of the documents and messages in this project if you find a mistake or typo.

Usage of mentioned services is preferred, however if you need to contact authors directly, use the following platon@platon.sk (mailto:platon@platon.sk?subject=phpWebFileManager) e-mail address and write 'phpWebFileManager' keyword in the Subject line.

Donation

If you appreciate phpWebFileManager application, you can send a donation to the Platon Group via PayPal. All the major credit cards are accepted. Please use the e-mail address platon@platon.sk (mailto:platon@platon.sk) as the recipient.

PayPal logo
Thank you!

Translations

If you don't find in `lang/` subdirectory a translation into your language, you can make one. Before spending time creating a translation, check <http://platon.sk/cvs/cvs.php/phpWebFileManager/lang/> to see if development for that translation has already begun.

3.4. CVS access

Whole phpWebFileManager project is provided in Platon Software Development Group (<http://platon.sk/>) CVS repository. It is possible to review our CVS repository using CVSweb interface (<http://platon.sk/cvs/cvs.php/phpWebFileManager/>), but it is also possible to checkout files using anonymous access.

Particular CVS instructions follows. Platon Software Development Group CVS repository can be checked out through anonymous (pserver) CVS with the following instruction set. When prompted for a password for anonymous, simply press the **Enter** key.

```
export CVSROOT=:pserver:anonymous@kepler.fmph.uniba.sk:/home/cvs
cvs login
cvs checkout phpWebFileManager
```

These commands should work with no problems on any UNIX-like system with cvs client installed. For checkouting on MS-Windows platform you can use one from several free available CVS client softwares.

3.5. Version history

Current version is 0.7 and it was released in 2nd October 2005.

version 0.7, October 2, 2005 (official release)

- added implementation of multiple file uploads

version 0.6.3, December 28, 2004

- implemented #248: pre-fill filename during rename operation
- all global variables such as \$HTTP_SERVER_VARS replaced by corresponding superglobals \$_SERVER and others
- view links are built using SCRIPT_NAME instead of REQUEST_URI variable
- turkish language file added (thanks to Gokcen Ogutcu <gokceno@gmail.com>)

version 0.6.2, December 13, 2004

- fixed bug #281: fix for loading language file (with PostNuke)
- hungarian language file added (thanks to Sandor Domokos <ingyenszofrtver@netelek.hu>)
- portugese language file added (thanks to Simao Mata <simao@bliter.com>)

version 0.6.1, July 7, 2004

- added several nice icons and new entries in the `icons.inc.php` file (thanks to various contributors)
- undesirable `rawurlencode()` calls on `$fm_cfg['url']['root']` were removed
- portugese (Brazil) language file added
(thanks to Leandro Tappis Pozenato <ltappis@hotmail.com>)
- german language file update (thanks to Karsten Nordsiek <abstract@linuxesteiger.info>)

version 0.6, December 20, 2003 (official release)

- all HTML attributes are quoted now
- made textarea columns and rows configurable

version 0.5.2, November 20, 2003

- russian language file added (thanks to Maxim Kozlov <frenzied@mail.ru>)
- simplified chinese language file added (thanks to Zhidi Shang <reo@g-d-a.net>)
- swedish language file added (thanks to <lars@borlange.nu>)
- dutch language file added (thanks to Erik Spaan <erik.spaan@philips.com>)
- added more pretty icons into distribution (thanks to Pablo Zorzoli <plz@aconectarse.com>)
- improved HTTP headers in `file.php` plugin

version 0.5.1, May 14, 2003

- fixed bug #79: view functionality broken under HTTPS
- make code around view functionality faster
- special handling of `$fm_cfg['url']['root']` beginning with `/` character
- file edit contents in textarea is escaped now
- possibility to have upload/create file/directory buttons

version 0.5, February 12, 2003 (official release)

- redefinable header and footer function
- determination between text and binary files in file edit functionality
- code simplification, improvements

version 0.4.4, February 4, 2003

- fixed bug with file or directory name `0`
- fixed returning to parent directory possibility in directory with one letter in its name
- directory `lib/` removed, file `functions.inc.php` added
- improved phpWebFileManager inclusion possibility
- added support for local configuration file `config-local.inc.php`
- numerous security fixes in `file.php` plugin

version 0.4.3, December 23, 2002

- spanish language file added (thanks to Claudio Torres Casanelli <ctorres@alumnos.ubiobio.cl>)

version 0.4.2, November 24, 2002

- fixed file uploading stuff

version 0.4.1, October 2, 2002

- improved `file.php` plugging
- italian language file added (both changes contributed by Lamberto Isola <scianzi@yoda2000.net>)

version 0.4, August 4, 2002 (official release)

- improved `file.php` plugging
- new configuration item for external file resources added
- definedable CGI variables prefix implemented
- definedable icons directory to have possibility of default Apache icons (`/icons/`) usage
- more file type icons are handled using specific icons configuration file `icons.inc.php`
- improved HTML output; fixed some bug regarding `colspan` and `&` entity

version 0.3.1, August 3, 2002

- plugins moved into `plugins/` subdirectory
- register globals off compliancy
- support for file edit and save; based on the patch by Robert Paciorek <Robert.Paciorek@n17.waw.pl>

version 0.3, July 22, 2002 (official release)

- configuration options and configuration file change (from `$phpWebFileManager_OPTION` to `$fm_cfg['option']`)
- note, that features forbid contants were removed and substituted by features enabled constants; keep this in mind when upgrade on this version
- plugin `file.php` by Tony J. White <tjw@tjw.org> used for file viewing with ability to deny this feature according to used configuration was added into `phpWebFileManager` distribution
- plugin `auth.php` containing basic HTTP authentication was also added into distribution

version 0.2.3, July 19, 2002

- dirty fix for proper handling filenames regarding norwegian national characters
- norwegian translation (both changes contributed by Asbjorn Vaernes <avaernes@online.no>)

version 0.2.2, April 21, 2002

- fixed PostNuke port, `init.inc.php` file created for initialization
- new subdirectory `lib/` created for `phpPlatonLib` functions, `url_utils.lib.php` file removed
- various documentation update, Ken Kizaki's PN-MODULE-HOWTO file added to distribution

- PostNuke port
- new multilanguage support system
- startup redirection file `index.php` removed (all three changes contributed by Rastislav 'Rider' Rihak <rider@lonestar.sk>)

version 0.2.1, March 25, 2002

- ability to override date format in config file
- support for enable/disable icons displaying
- all variables were uncommented in config file to prevent its initialization from CGI environment
- german translation (thanks to Ken Kizaki <ken_kizaki@yahoo.co.jp> and Daniel Fernandez <funkyferdy@econophone.ch>)
- file size and last modification date support
- date format in language translation files (both changes contributed by Greg Baker <ggbaker@cs.sfu.ca>)

version 0.2, February 21, 2002 (official release)

- several features have been implemented, phpWebFileManager seems to be stable now, although according to TODO list, new things will be added soon

version 0.1.8, February 16, 2002

- multilanguage support
- english and slovak translation added
- ability to deny symbolic links following
- add striping slashes from CGI variables to properly handle directories with quotation characters
- quoted value parameters of all input tag
- HTML validity improvements
- documentation changes

version 0.1.7, December 18, 2001

- added parameters into config file to specify background color of even and odd rows
- `fm_` prefix for CGI variables to avoid variable name collisions in large projects

version 0.1.6, October 24, 2001

- finally valid handling of all file and directory names (with spaces, ampersands, quotes, etc) and also valid HTML references (links) creating using appropriate functions `urlencode()` and `htmlentities()`

version 0.1.5, October 1, 2001

- added `$phpWebFileManager_LINKS_PREFIX` parameter to build links for View feature; if it is not present HTML links are built in standart way

version 0.1.4, September 26, 2001

- added ability to allow user to turn on/off View/Enter, Rename Delete/Remove and Create/Upload functionality with focus on security

version 0.1.3, August 23, 2001

- directories with spaces handling
- alphabetical directory sorting (both changes contributed by Paul Grace <paulgrace@telstra.com>)

version 0.1.2, July 31, 2001

- documentation and TODO list update

version 0.1.1, July 27, 2001

- change relative redirect to absolute in `index.php` (RFC2068)
- fixing file view

version 0.1, July 22, 2001 (official release)

- initial release