

Using PHPMyAdmin with WordPress

A basic run-down of some of the things
you may want to do manually on
your WordPress database.
(Using PHPMyAdmin)

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Notes at: http://orphicworkshop.com/downloads/Using_PHPMyAdmin_with_WordPress.pdf

Managing Partner

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What is a database, anyway?

A database is just a collection of data. In the case of WordPress specifically, it's where information on your User accounts, your Pages, your Posts, your Categories and a whole bunch of other information is stored. Because WordPress is designed to build your site "on-the-fly", it stores and retrieves a huge amount of the information in a database, so that it can be used in the appropriate places without having to store that information multiple times.

WordPress uses a MySQL database, which they use because it is extremely fast, and is also the most widely-used database server in the world. And like WordPress, it's open-source, and free, and is supported by most web hosts.

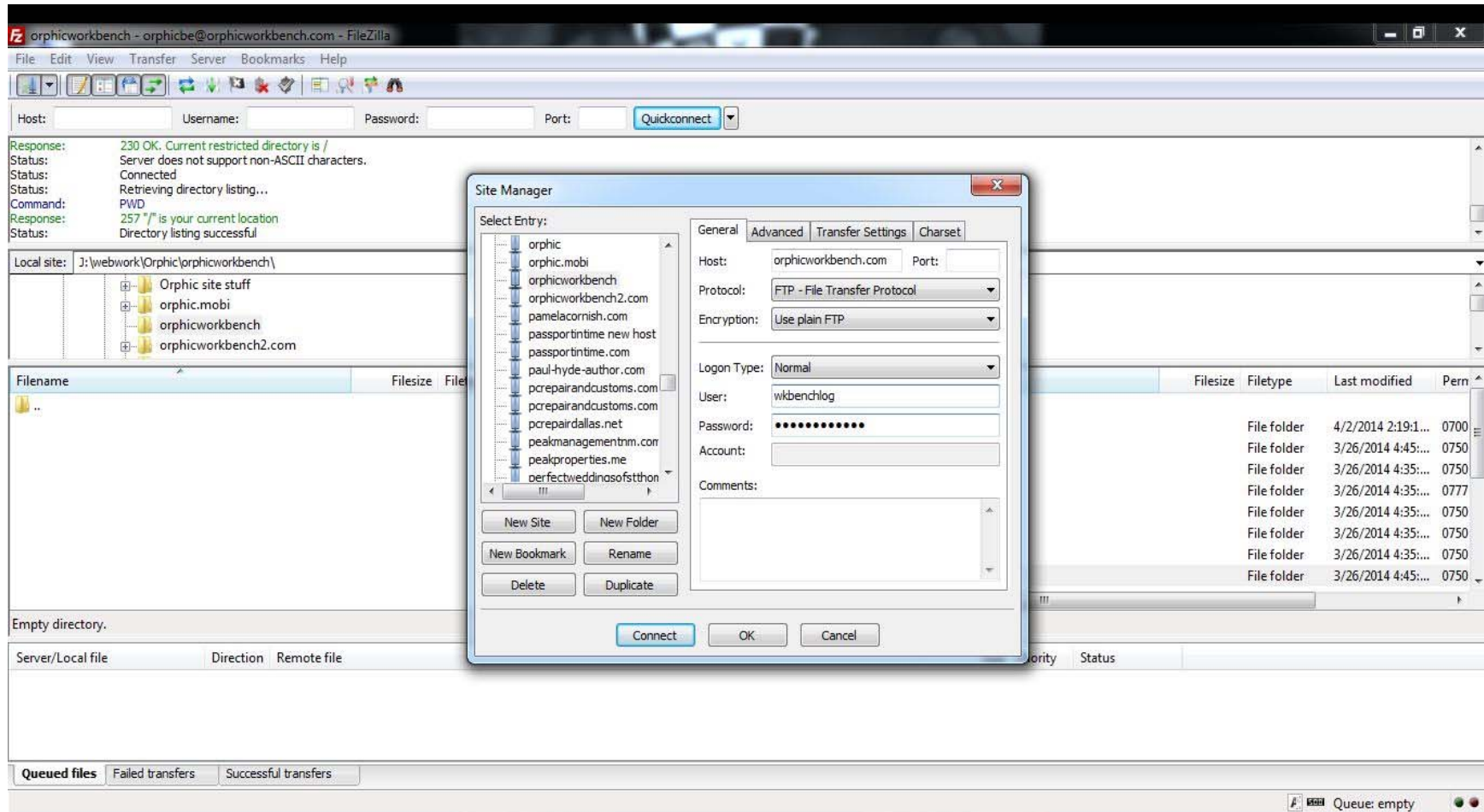
Using PHPMyAdmin with WordPress

- How to find out the username, password and location for your MySQL database
 - How to log into PHPMyAdmin
- How to manually back up your database from PHPMyAdmin
 - How to change admin username
 - How to change a password
 - How to change an email on user account
 - How to change the site URL
- How to change WordPress database prefix for improved security

How to find out the username, password and location for your database

- You'll need an FTP client and FTP information for your hosting account (Filezilla, SmartFTP)
- You'll need a text editor (notepad, notepad++)
- You'll need to know the location of your WordPress install (Most commonly under /public_html or a subdirectory)
- Use FTP to download a copy of the wp-config.php file for your WordPress site.

Entering FTP Settings into your FTP client



Finding the correct directory for your WordPress site

The screenshot shows a file manager window with a menu bar (File, Edit, View, Transfer, Server, Bookmarks, Help) and a toolbar. Below the toolbar are input fields for Host, Username, Password, and Port, along with a 'Quickconnect' button. The main area is divided into two panes: 'Local site' and 'Remote site'. The 'Local site' pane shows a tree view of local folders: 'Orphic site stuff', 'orphic.mobi', 'orphicworkbench', and 'orphicworkbench2.com'. The 'Remote site' pane shows a tree view of remote folders: '.', '.cpanel', '.fantasticodata', and '.htpasswd'. Below the tree views are two tables. The left table, titled 'Empty directory.', has columns for 'Filename', 'Filesize', 'Filetype', and 'Last modified', and contains one row with '..'. The right table, titled 'Selected 1 directory.', has columns for 'Filename', 'Filesize', 'Filetype', 'Last modified', and 'Perm', and contains several rows of folder information. At the bottom, there is a table with columns 'Server/Local file', 'Direction', 'Remote file', 'Size', 'Priority', and 'Status'. The status bar at the bottom right shows 'Queue: empty'.

Response: 230 OK. Current restricted directory is /
Status: Server does not support non-ASCII characters.
Status: Connected
Status: Retrieving directory listing...
Command: PWD
Response: 257 "*" is your current location
Status: Directory listing successful

Local site: J:\webwork\Orphic\orphicworkbench\
Remote site: /

Filename	Filesize	Filetype	Last modified
..			

Filename	Filesize	Filetype	Last modified	Perm
..				
.cpanel		File folder	4/2/2014 2:19:1...	0700
.fantasticodata		File folder	3/26/2014 4:45:...	0750
.htpasswd		File folder	3/26/2014 4:35:...	0750
access-logs		File folder	3/26/2014 4:35:...	0777
etc		File folder	3/26/2014 4:35:...	0750
mail		File folder	3/26/2014 4:35:...	0750
public_ftp		File folder	3/26/2014 4:35:...	0750
public_html		File folder	3/26/2014 4:45:...	0750

Empty directory.

Selected 1 directory.

Server/Local file	Direction	Remote file	Size	Priority	Status
-------------------	-----------	-------------	------	----------	--------

Queued files | Failed transfers | Successful transfers

Queue: empty

Finding the wp-config.php file

The screenshot shows a file transfer client interface with the following details:

- Command Log:**
 - Command: PASV
 - Response: 227 Entering Passive Mode (192,185,30,104,152,172)
 - Command: RETR wp-config.php
 - Response: 150 Accepted data connection
 - Response: 226 File successfully transferred
 - Response: 226 0.010 seconds (measured here), 338.11 Kbytes per second
 - Status: File transfer successful, transferred 3,624 bytes in 1 second
- Local Site:** J:\webwork\Orphic\orpicworkbench\
 - Orphic site stuff
 - orpic.mobi
 - orpicworkbench
 - orpicworkbench2.com
- Remote Site:** /public_html/test1
 - public_ftp
 - public_html
 - cgi-bin
 - test1
- Local File List:**

Filename	Filesize	Filetype	Last modified
..			
wp-config.php	3,624	PHP File	4/2/2014 2:35:14 PM
- Remote File List:**

Filename	Filesize	Filetype	Last modified	Perm
wp-admin		File folder	3/26/2014 4:49:...	0755
wp-content		File folder	3/26/2014 5:56:...	0755
wp-includes		File folder	3/26/2014 4:47:...	0755
fantversion.php	36	PHP File	5/29/2012 1:09:...	0755
index.php	418	PHP File	3/26/2014 4:47:...	0644
license.txt	19,929	Text Docu...	3/26/2014 4:47:...	0644
readme.html	7,185	Chrome H...	3/26/2014 4:47:...	0644
wp-activate.php	4,892	PHP File	3/26/2014 4:47:...	0644
wp-blog-header.php	271	PHP File	3/26/2014 4:47:...	0644
wp-comments-post.php	4,795	PHP File	3/26/2014 4:47:...	0644
wp-config-sample.php	3,087	PHP File	3/26/2014 4:47:...	0644
wp-config.php	3,534	PHP File	3/26/2014 4:45:...	0755
wp-cron.php	2,932	PHP File	3/26/2014 4:47:...	0644
- Transfer Summary:**
 - Local: 1 file. Total size: 3,624 bytes
 - Remote: Selected 1 file. Total size: 3,534 bytes
- Transfer Queue:**

Server/Local file	Direction	Remote file	Size	Priority	Status
Queued files					
Failed transfers					
Successful transfers (1)					

wp-config.php file

```
// ** MySQL settings - You can get this info from your web host ** //  
/** The name of the database for WordPress */  
define('DB_NAME', 'wkbenchlog_wrdp1');  
  
/** MySQL database username */  
define('DB_USER', 'wkbenchlog_wrdp1');  
  
/** MySQL database password */  
define('DB_PASSWORD', 'jemFF5$gYYt&887@');  
  
/** MySQL hostname */  
define('DB_HOST', 'localhost');
```


Logging in to PHPMYAdmin



Welcome to phpMyAdmin

Language

English (utf-8) ▼

Log in

Username: wkbenchlog_wrdp1

Password:

Go

i Cookies must be enabled past this point.

First look at PHPMyAdmin

localhost

Databases SQL Status Processes Export Import Variables Charsets Engines Synchronize Settings

General Settings

MySQL connection collation: utf8_general_ci

Appearance Settings

Language: English

Theme / Style: pmahomme

Font size: 82%

More settings

MySQL

- Server: Localhost via UNIX socket
- Server version: 5.5.33-31.1
- Protocol version: 10
- User: orphicbe@localhost
- MySQL charset: UTF-8 Unicode (utf8)

Web server

- cpsrvd 11.38.2.23
- MySQL client version: 5.0.96
- PHP extension: mysql

phpMyAdmin

- Version information: 3.4.11.1, latest stable version: 4.1.12
- Documentation
- Wiki
- Official Homepage
- Contribute
- Get support
- List of changes

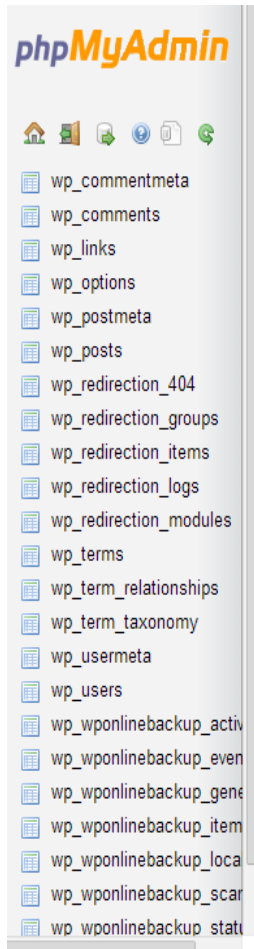
phpMyAdmin

- wp_commentmeta
- wp_comments
- wp_links
- wp_options
- wp_postmeta
- wp_posts
- wp_redirection_404
- wp_redirection_groups
- wp_redirection_items
- wp_redirection_logs
- wp_redirection_modules
- wp_terms
- wp_term_relationships
- wp_term_taxonomy
- wp_usermeta
- wp_users
- wp_wponlinebackup_activ
- wp_wponlinebackup_even
- wp_wponlinebackup_gene
- wp_wponlinebackup_item
- wp_wponlinebackup_loca
- wp_wponlinebackup_scar
- wp_wponlinebackup_stat

How to manually back up your database from PHPMysqlAdmin

- Always make a backup of your database before making any other changes to it. You can permanently break a WordPress site by incorrectly making changes.
- Use the Export function in PHPMysqlAdmin to manually copy your WordPress database
- Check the “Custom” settings on the Export Method
 - Make sure that the correct database tables are selected (usually, all of them)
 - Make sure that the “Output:” setting is set to “Save output to a file”
 - The “Format:” should be set to SQL
 - Under Format-specific options, make sure “Add DROP DATABASE statement is selected
 - Click the “Go” button at the bottom of the window to Export
 - Remember where you saved your database backup file

PHPMyAdmin Export Custom Settings



Custom - display all possible options

Table(s):

Select All / Unselect All

```
wp_commentmeta
wp_comments
wp_links
wp_options
wp_postmeta
wp_posts
wp_redirection_404
wp_redirection_groups
wp_redirection_items
wp_redirection_logs
```

Output:

Save output to a file

File name template:

@DATABASE@

use this for future exports

Character set of the file:

utf-8

Compression:

None

View output as text

Format:

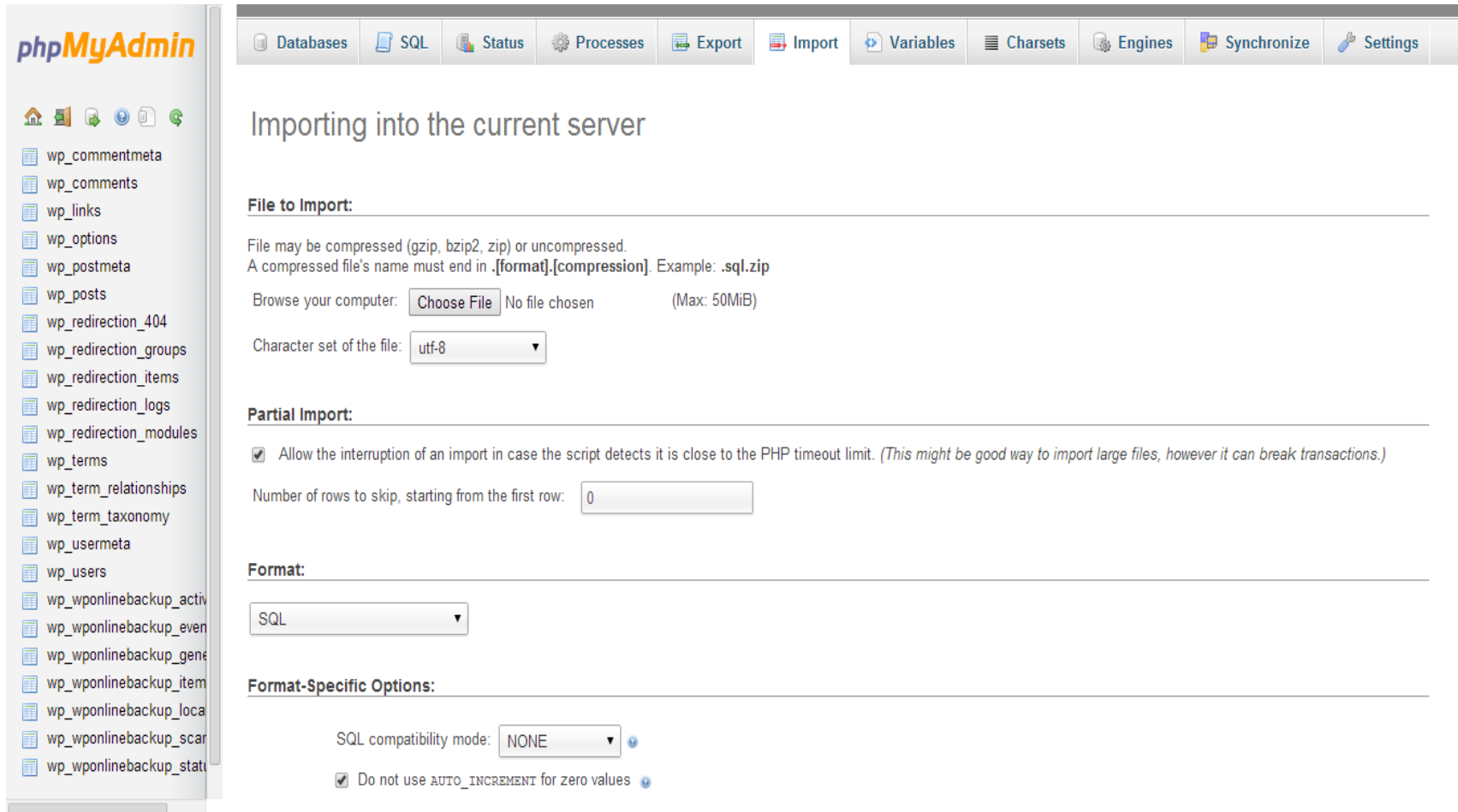
SQL

How to manually restore your database from within PHPMyAdmin

Use the IMPORT function in PHPMyAdmin to restore a database that is damaged or corrupted, or if you need to restore to an earlier backup of the database.

- Use the “Choose File” button to upload the SQL backup file that you want to restore
- The Partial Import function can be useful if the database/database file is very large
- Make sure you select “SQL” as the file format.

Using the Import function



The screenshot shows the phpMyAdmin interface with the 'Import' tab selected. The left sidebar contains a list of database tables, and the top navigation bar includes options like Databases, SQL, Status, Processes, Export, Import, Variables,Charsets,Engines, Synchronize, and Settings.

Importing into the current server

File to Import:

File may be compressed (gzip, bzip2, zip) or uncompressed.
A compressed file's name must end in `.[format].[compression]`. Example: `.sql.zip`

Browse your computer: No file chosen (Max: 50MiB)

Character set of the file:

Partial Import:

Allow the interruption of an import in case the script detects it is close to the PHP timeout limit. *(This might be good way to import large files, however it can break transactions.)*

Number of rows to skip, starting from the first row:

Format:

Format-Specific Options:

SQL compatibility mode:

Do not use `AUTO_INCREMENT` for zero values

How to change WordPress username, password, or email

- Username is listed in the wp_users table as “user_login”. It can be changed as plain text.
- Password is listed in the wp_users table as “user_pass”. It must be changed using the MD5 Function.
- Email is listed in the wp_users table as “user_email”. It can be changed as plain text.

Selecting a user to edit in wp_users table

The screenshot shows the phpMyAdmin interface with the following components:

- Navigation Panel (Left):** A list of database tables including wp_commentmeta, wp_comments, wp_links, wp_options, wp_postmeta, wp_posts, wp_redirection_404, wp_redirection_groups, wp_redirection_items, wp_redirection_logs, wp_redirection_modules, wp_terms, wp_term_relationships, wp_term_taxonomy, wp_usermeta, wp_users, and various wp_wponlinebackup_* tables.
- Toolbar (Top):** Buttons for Browse, Structure, SQL, Search, Insert, Export, Import, and Operations.
- Status Bar (Yellow):** Shows "Showing rows 0 - 0 (~1 total), Query took 0.0005 sec".
- SQL Query (Code Editor):**

```
SELECT *  
FROM `wp_users`  
LIMIT 0, 30
```
- Options (Right):** Profiling [Inline] [Edit] [Explain SQL] [Create PHP Code] [Refresh]
- Display Settings:** Show: 30 row(s) starting from row # 0 in horizontal mode and repeat headers after 100 cells.
- Table View:** A table with columns: ID, user_login, user_pass, user_nicename, user_email, user_url, user_registered, user_active. The first row is: 1, admin, \$PSB6XZGQ912b2YfSKNxd1k0LfevZHHh20, demo1_admin, ken@orpicworkshop.com, 2014-03-26 17:45:04.
- Actions (Below Table):** Check All / Uncheck All With selected: Change, Delete, Export.
- Query Results Operations (Bottom):** Print view, Print view (with full texts), Export, Display chart, Create view.

The wp_users edit screen

The screenshot displays the phpMyAdmin interface for editing a user in the wp_users table. The left sidebar shows a list of database tables, with wp_users selected. The main area shows the table structure and a form for editing a user record.

Table Structure:

Column	Type	Function	Null	Value
ID	bigint(20) unsigned		1	
user_login	varchar(60)			admin
user_pass	varchar(64)	MD5		\$P\$B6XZGQ912b2YFSKNxd1k0LfevZHHh20
user_nicename	varchar(50)			demo1_admin
user_email	varchar(100)			ken@orpicworkshop.com
user_url	varchar(100)			
user_registered	datetime			2014-03-26 17:45:04
user_activation_key	varchar(60)			
user_status	int(11)			0
display_name	varchar(250)			demo1_admin

Form Fields:

- user_login: admin
- user_pass: MD5 (function), \$P\$B6XZGQ912b2YFSKNxd1k0LfevZHHh20 (value)
- user_nicename: demo1_admin
- user_email: ken@orpicworkshop.com
- user_url: (empty)
- user_registered: 2014-03-26 17:45:04
- user_activation_key: (empty)
- user_status: 0
- display_name: demo1_admin

A "Go" button is located at the bottom of the form.

How to change the site URL

- If your site URL is changing (for example, to a different directory) you can change it in the MySQL database.
- The site URL should be changed in two different locations in the wp_options table.
- The first is listed as “siteurl” (ex. <http://orphicworkbench.com/test1>)
- The second is listed as “home”, and will usually have an identical value.
- This is one way to make this change, but if the URL is changing for your entire site, there is a script you can run to modify all instances of it in the database (see http://codex.wordpress.org/Moving_WordPress)

Changing the siteurl setting in wp_options

phpMyAdmin

Page number: 1 > >>

Show: 40 row(s) starting from row # 40 in horizontal mode and repeat headers after 40 cells

Sort by key: None

+ Options

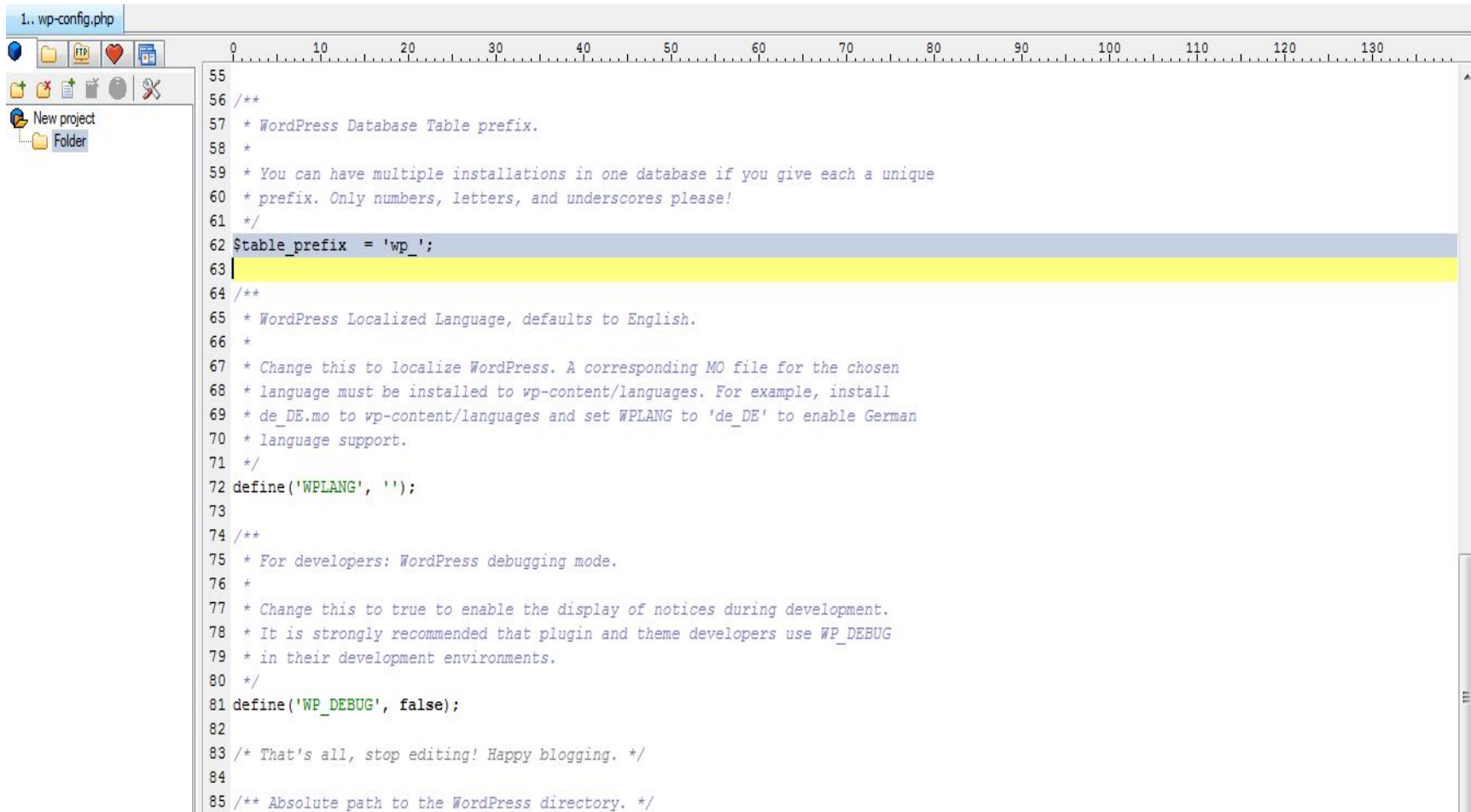
	option_id	option_name	option_value	autoload
<input type="checkbox"/> Edit <input type="checkbox"/> Inline Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	3	siteurl	http://orpicworkbench.com/test1	yes
<input type="checkbox"/> Edit <input type="checkbox"/> Inline Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	4	blogname	orpicworkbench.com	yes
<input type="checkbox"/> Edit <input type="checkbox"/> Inline Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	5	blogdescription		yes
<input type="checkbox"/> Edit <input type="checkbox"/> Inline Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	6	users_can_register	0	yes
<input type="checkbox"/> Edit <input type="checkbox"/> Inline Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	7	admin_email	ken@orpicworkshop.com	yes
<input type="checkbox"/> Edit <input type="checkbox"/> Inline Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	8	start_of_week	1	yes
<input type="checkbox"/> Edit <input type="checkbox"/> Inline Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	9	use_balanceTags	0	yes
<input type="checkbox"/> Edit <input type="checkbox"/> Inline Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	10	use_smilies	1	yes
<input type="checkbox"/> Edit <input type="checkbox"/> Inline Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	11	require_name_email	1	yes
<input type="checkbox"/> Edit <input type="checkbox"/> Inline Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	12	comments_notify	1	yes
<input type="checkbox"/> Edit <input type="checkbox"/> Inline Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	13	posts_per_rss	10	yes
<input type="checkbox"/> Edit <input type="checkbox"/> Inline Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	14	rss_use_excerpt	0	yes
<input type="checkbox"/> Edit <input type="checkbox"/> Inline Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	15	mailserver_url	mail.example.com	yes
<input type="checkbox"/> Edit <input type="checkbox"/> Inline Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	16	mailserver_login	login@example.com	yes
<input type="checkbox"/> Edit <input type="checkbox"/> Inline Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	17	mailserver_pass	password	yes
<input type="checkbox"/> Edit <input type="checkbox"/> Inline Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	18	mailserver_port	110	yes
<input type="checkbox"/> Edit <input type="checkbox"/> Inline Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	19	default_category	1	yes
<input type="checkbox"/> Edit <input type="checkbox"/> Inline Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	20	default_comment_status	open	yes
<input type="checkbox"/> Edit <input type="checkbox"/> Inline Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	21	default_ping_status	open	yes
<input type="checkbox"/> Edit <input type="checkbox"/> Inline Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	22	default_pingback_flag	1	yes
<input type="checkbox"/> Edit <input type="checkbox"/> Inline Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	24	posts_per_page	10	yes
<input type="checkbox"/> Edit <input type="checkbox"/> Inline Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	25	date_format	F j, Y	yes
<input type="checkbox"/> Edit <input type="checkbox"/> Inline Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	26	time_format	g:i a	yes
<input type="checkbox"/> Edit <input type="checkbox"/> Inline Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	27	links_updated_date_format	F j, Y g:i a	yes
<input type="checkbox"/> Edit <input type="checkbox"/> Inline Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	28	links_recently_updated_prepend		yes
<input type="checkbox"/> Edit <input type="checkbox"/> Inline Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	29	links_recently_updated_append		yes
<input type="checkbox"/> Edit <input type="checkbox"/> Inline Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	30	links_recently_updated_time	120	yes
<input type="checkbox"/> Edit <input type="checkbox"/> Inline Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	31	comment_moderation	0	yes
<input type="checkbox"/> Edit <input type="checkbox"/> Inline Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	32	moderation_notify	1	yes
<input type="checkbox"/> Edit <input type="checkbox"/> Inline Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	33	permalink_structure		yes
<input type="checkbox"/> Edit <input type="checkbox"/> Inline Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	34	gzipcompression	0	yes
<input type="checkbox"/> Edit <input type="checkbox"/> Inline Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	35	hack_file	0	yes
<input type="checkbox"/> Edit <input type="checkbox"/> Inline Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	36	blog_charset	UTF-8	yes
<input type="checkbox"/> Edit <input type="checkbox"/> Inline Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	37	moderation_keys		no
<input type="checkbox"/> Edit <input type="checkbox"/> Inline Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	38	active_plugins	a:3:{i:1;s:27:"redirection/redirection.php";i:2;s:...	yes
<input type="checkbox"/> Edit <input type="checkbox"/> Inline Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	39	home	http://orpicworkbench.com/test1	yes

Create table

How to change wordpress database prefix for improved security

- First, find the `$table_prefix` line in your `wp-config.php` file. By default, it is usually set to `"wp_"`. You can set that prefix to something more complicated, like `"wp_a123456_"`
- Change the prefix first in the `wp-config.php` file, but DO NOT UPLOAD that file via FTP until you have made the changes to the MySQL database as well
- In PHPMyAdmin, you'll see a listed of all your tables on the left-hand side. Each one must be renamed using the identical prefix you decided on above
- You can do this by selecting each table in the list, then selecting the "Operations" tab at the top of the PHPMyAdmin page.
- Remember to click "Go" for each change you make.

Changing the table prefix in wp-config.php



```
1. wp-config.php
0 10 20 30 40 50 60 70 80 90 100 110 120 130
55
56 /**
57  * WordPress Database Table prefix.
58  *
59  * You can have multiple installations in one database if you give each a unique
60  * prefix. Only numbers, letters, and underscores please!
61  */
62 $table_prefix = 'wp_';
63
64 /**
65  * WordPress Localized Language, defaults to English.
66  *
67  * Change this to localize WordPress. A corresponding MO file for the chosen
68  * language must be installed to wp-content/languages. For example, install
69  * de_DE.mo to wp-content/languages and set WPLANG to 'de_DE' to enable German
70  * language support.
71  */
72 define('WPLANG', '');
73
74 /**
75  * For developers: WordPress debugging mode.
76  *
77  * Change this to true to enable the display of notices during development.
78  * It is strongly recommended that plugin and theme developers use WP_DEBUG
79  * in their development environments.
80  */
81 define('WP_DEBUG', false);
82
83 /* That's all, stop editing! Happy blogging. */
84
85 /** Absolute path to the WordPress directory. */
```

Changing table prefix in Operations

phpMyAdmin

- wp_commentmeta
- wp_comments
- wp_links
- wp_options
- wp_postmeta
- wp_posts
- wp_redirection_404
- wp_redirection_groups
- wp_redirection_items
- wp_redirection_logs
- wp_redirection_modules
- wp_terms
- wp_term_relationships
- wp_term_taxonomy
- wp_usermeta
- wp_users
- wp_wponlinebackup_activ
- wp_wponlinebackup_even
- wp_wponlinebackup_gene
- wp_wponlinebackup_item
- wp_wponlinebackup loca

meta_id (singly) Ascending

Go

orpicbe_wrdp1 · wp_commentmeta

Add AUTO_INCREMENT value

Go

Table options

Rename table to

Table comments

Storage Engine

Collation

AUTO_INCREMENT

ROW_FORMAT

Go

Copy table to (database.table):

orpicbe_wrdp1 · wp_commentmeta

Structure only

Structure and data

Data only

Add DROP TABLE

Add AUTO_INCREMENT value

Switch to copied table

Go