

How to re-create a lost or corrupt MySQL Database using the StarField Technologies Inc. phpMyAdmin Control Panel.

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How many times have you used the phpMyAdmin Control Panel to export a Database, just to find out that the exact same Database file you exported can't be imported without errors?

If you've ran into that exact same problem numerous times, believe me, your not alone. After troubleshooting the reasons behind this issue, I finally found a tested, and working solution.

Example Scenario:

- Your servers eCommerce solution just lost it's Database to data corruption.
- Customers are e-mailing, and calling in complaints.
- As the System Administrator, you backed up the Database in a safe place.
- Time is of the essence, so you log into phpMyAdmin ready to import your backup.
- And what should have Imported correctly, gives you the following errors:
 - Error SQL query: -- phpMyAdmin SQL Dump... MySQL said:
 - #1007 - Can't create database 'yourdatabase'; database exists
 - #1044 - Access denied for user 'yourdatabase1'@%' to database 'yourdatabase2'
 - or any other number of Import errors!

Steps necessary to solve this issue:

For this example, I will assume you are familiar with Installing PHP based Internet Applications, and are familiar with creating the MySQL Database necessary for most Internet Applications to operate correctly.

Before you begin, you must have already backed up an Exported working MySQL Database from the phpMyAdmin, Previous to your lost or corrupted Database.

1. Create a new MySQL Database. During my testing procedures, any name worked.
2. Re-Install the Database required Internet Application on your server, making sure to connect your Application to the newly created Database.
3. Access your newly created Database by Logging on to the phpMyAdmin Control Panel, and within select the 'Databases' link in the menu, then select your Database.
4. You should now be within the 'Table Structure' tab of your newly created Database. If not, click the 'Table Structure' tab.
5. Within the 'Table Structure' of your newly created Database, select the 'Check All' link, and then from the 'With Selected' menu choose: 'DROP' (see illustration 1 below)

➔ **WARNING:** Choosing to Drop your Database Tables will result in permanent loss of all Data within your newly created MySQL Database!

Illustration 1 - 'Dropping The Tables'

The screenshot shows the phpMyAdmin interface with a table list for a database. The interface includes a top navigation bar with 'Server' and 'Database' tabs, and a secondary bar with 'Structure', 'SQL', 'Search', 'Query', 'Export', 'Import', and 'Operations' buttons. The table list table has columns for 'Table', 'Action', 'Records', 'Type', 'Collation', 'Size', and 'Overhead'. All 20 tables are checked for selection. A context menu is open over the 'Drop' option, listing actions like 'Empty', 'Print view', 'Check table', 'Optimize table', 'Repair table', and 'Analyze table'. The bottom of the table shows a summary for 20 tables with a total size of 73.7 KiB and overhead of 3.1 KiB.

Table	Action	Records	Type	Collation	Size	Overhead
<input checked="" type="checkbox"/> cpq1410_albums	[Icons]	2	MyISAM	utf8_general_ci	3.2 KiB	-
<input checked="" type="checkbox"/> cpq1410_banned	[Icons]	0	MyISAM	utf8_general_ci	1.0 KiB	-
<input checked="" type="checkbox"/> cpq1410_bridge	[Icons]	27	MyISAM	utf8_general_ci	2.6 KiB	-
<input checked="" type="checkbox"/> cpq1410_categories	[Icons]	2	MyISAM	utf8_general_ci	5.4 KiB	-
<input checked="" type="checkbox"/> cpq1410_comments	[Icons]	21	MyISAM	utf8_general_ci	6.7 KiB	-
<input checked="" type="checkbox"/> cpq1410_config	[Icons]	130	MyISAM	utf8_general_ci	8.6 KiB	-
<input checked="" type="checkbox"/> cpq1410_dict	[Icons]	0	MyISAM	utf8_general_ci	1.0 KiB	-
<input checked="" type="checkbox"/> cpq1410_ecards	[Icons]	0	MyISAM	utf8_general_ci	1.0 KiB	-
<input checked="" type="checkbox"/> cpq1410_exif	[Icons]	0	MyISAM	utf8_general_ci	1.0 KiB	-
<input checked="" type="checkbox"/> cpq1410_favpics	[Icons]	0	MyISAM	utf8_general_ci	1.0 KiB	-
<input checked="" type="checkbox"/> cpq1410_filetypes	[Icons]	43	MyISAM	utf8_general_ci	3.4 KiB	-
<input checked="" type="checkbox"/> cpq1410_hit_stats	[Icons]	0	MyISAM	utf8_general_ci	1.0 KiB	-
<input checked="" type="checkbox"/> cpq1410_pictures	[Icons]	26	MyISAM	utf8_general_ci	17.0 KiB	20 B
<input checked="" type="checkbox"/> cpq1410_plugins	[Icons]	0	MyISAM	utf8_general_ci	1.0 KiB	-
<input checked="" type="checkbox"/> cpq1410_sessions	[Icons]	1	MyISAM	utf8_general_ci	7.4 KiB	2.3 KiB
<input checked="" type="checkbox"/> cpq1410_temp_data	[Icons]	0	MyISAM	utf8_general_ci	2.8 KiB	820 B
<input checked="" type="checkbox"/> cpq1410_usergroups	[Icons]	0	MyISAM	utf8_general_ci	2.1 KiB	-
<input checked="" type="checkbox"/> cpq1410_users	[Icons]	0	MyISAM	utf8_general_ci	3.5 KiB	-
<input checked="" type="checkbox"/> cpq1410_votes	[Icons]	0	MyISAM	utf8_general_ci	2.9 KiB	-
<input checked="" type="checkbox"/> cpq1410_vote_stats	[Icons]	0	MyISAM	utf8_general_ci	1.0 KiB	-
20 table(s)	Sum			utf8_general_ci	73.7 KiB	3.1 KiB

Check All / Uncheck All / Check tables having overhead

Steps Continued:

6. If all went as planned you now have zero tables within your newly created Database.
7. The next step is to manually edit your originally backed up Database, the one you hopefully tucked away safely for emergencies like the above scenario.
8. Using a text editor, such as *Notepad++, open your backed up Database, (example: 22.63.00.50.sql), select the entire header of your Database backup, and delete it. (see illustration 2 below).

Illustration 2 - 'Deleting the MySQL Header' (Lines 1 through 15 in this example).

```
1  -- phpMyAdmin SQL Dump
2  -- version 2.7.0-pl2
3  -- http://www.phpmyadmin.net
4  --
5  -- Host: 00.00.00.00
6  -- Generation Time: May 28, 2006 at 10:52 PM
7  -- Server version: 4.0.27
8  -- PHP Version: 4.4.4
9  --
10 -- Database: `yourdatabase`
11 --
12 CREATE DATABASE `yourdatabase` ;
13 USE yourdatabase ;
14
15 .....
16
```

Steps Continued:

9. Now that you have deleted the MySQL Heading, select and copy the remaining Database lines from within your text editor.
10. Next, within your phpMyAdmin Control Panel select the 'SQL Tab'. You should now see the 'Run SQL query/queries on database' form, which of course is empty. (see illustration 3 below).
11. You should now paste the previously copied remaining Database lines from the text editor within the: 'Run SQL query/queries on database' form. After which you will select the 'GO' button.
12. If all went as instructed, you should now see all of your previously backed up 'Tables' placed correctly within the newly created MySQL Database.

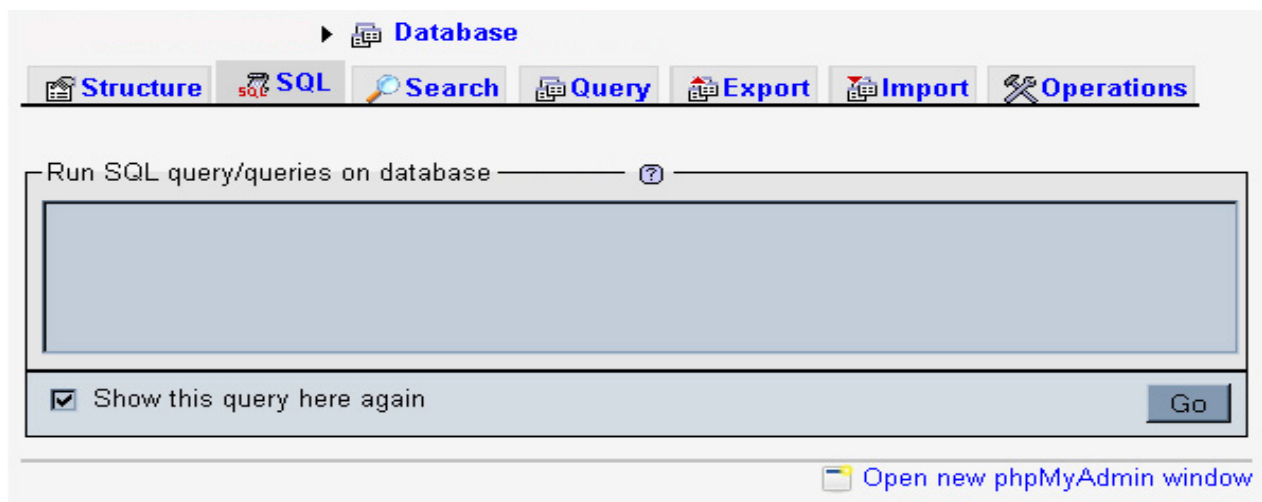


Illustration 3 - The 'Run SQL query/queries on database' form.

I sincerely hope this instructional tutorial helps all who have had MySQL Database Importing problems within the phpMyAdmin Control Panel. This procedure has been tested thoroughly, and has worked for me every time. If you have any feedback, or wish to submit an easier process than the one I provided here, please send all correspondence to:

michael@metascapemedia.com

Thank You,

Michael

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