

## **How To Create An SQL Database Using Cpanel**

This short guide will show you how to setup an SQL database. The following steps are needed

1. Log Into Your Control Panel and click On The “Mysql” Icon
2. Enter A Database Name
3. Enter A Database User & Password
4. Create Privileges For The User For That Database

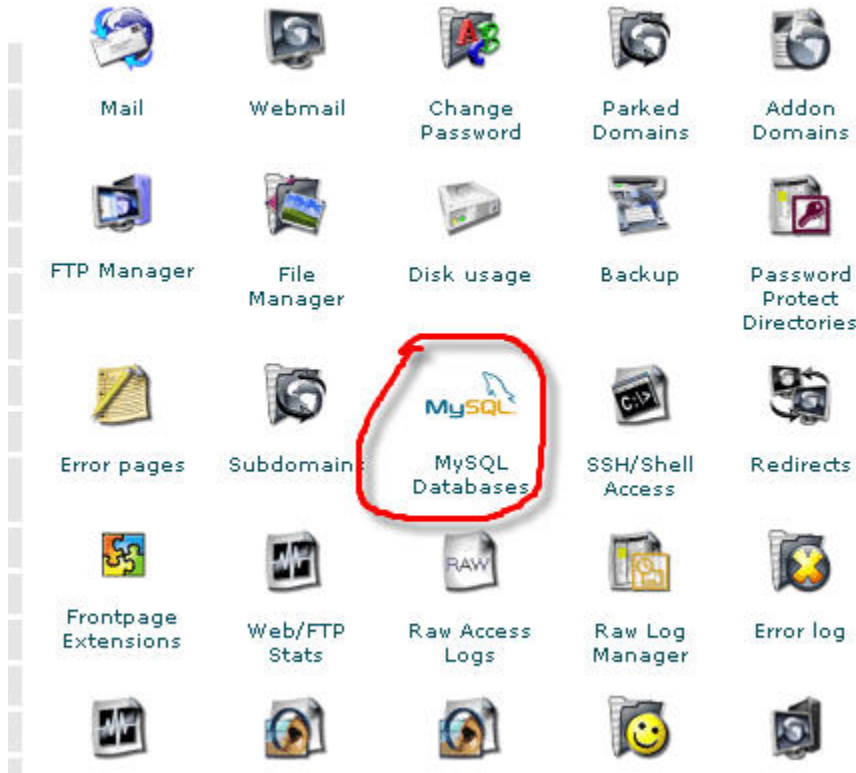
# 1. Logging Into Your Control Panel

Your control panel is what allows you to set up email, create databases and so much more. It is only to be accessed by you, the web site owner. To visit your control panel you need the details from your Web Host.

If you do not have this information already, simply contact them and ask for the control panel web address and your username/password for it.

Make sure you create a file in notepad called 'mypanelinfo.txt' and save that information.

When you have it, all you have to do is enter the url in the browser and wait for the 'prompt', which will ask you for a username and password. When you are in, you should see a whole list of icons. Below is a screenshot that simulates this, and it is from MY control panel. Keep in mind, some are different, so I am only highlighting the icons, because all different control panels have the same functionality. Take a look at the screenshot below. You will notice a red circle around "Mysql". That tells you to click on that icon, or the equivalent that exists in your control panel.



Now that you clicked onto the Mysql icon, let's move onto the next phase - creating the database.

## 2. Creating The Database

Now that you are in the mysql panel, you want to create your database. To do that, look for the section on the page that has a field asking you to type in the database name. Below is a screenshot to demonstrate this point:

Db:

Regardless of your control panel set-up, you will see that field. Look for it and when you find it, simply enter a name. Make sure that you jot down the name of this database for your personal records as well.

However, do not do so until you are complete. The reason is because the control panel will add a prefix to your database name. So it is vital that you enter the name, receive confirmation (see below) and then jot it down. Here, below you will see confirmation:

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### MySQL Account Maintenance

#### Database Created

Added the database testdb.

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Please note that while it says “testdb”, the real database name will be “yourusername\_testdb” (with your Cpanel user name in place of “yourusername”)

To find out for sure, click “go back” and look through the database names. Below is a screenshot to show you an example;

**metsrant\_testdb** [Delete](#) [Check](#) [Repair](#)

#### Users in testdb

metsrant\_test (Privileges: ALL PRIVILEGES) [Delete](#)

#### Connection Strings

```
$dbh = DBI->connect
Perl ("DBI:mysql:metsrant_testdb:localhost","metsrant_test","<PASSWORD
HERE>");
$dbh=mysql_connect ("localhost", "metsrant_test", "<PASSWORD HERE>")
PHP or die ('I cannot connect to the database because: ' . mysql_error());
mysql_select_db ("metsrant_testdb");
```

You can see from this that the name of the database is metsrant\_testdb (this is because my Cpanel username is metsrant).

### 3. Creating The Database Username And Password

Now that you have completed the database creation process, let's assign a username and password to it. Below is a screenshot of the "Account Creation" form.

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**Users:**

(Pre-Existing Usernames Are Listed Here)

UserName:

Password:

You simply come up with a username and password. The control panel will add a prefix to the username only (but NOT the password).

When you are done you will see a confirmation similar to what you see below:

**MySQL Account Maintenance**

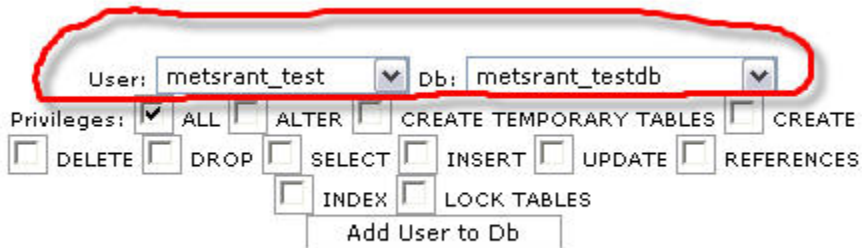
**Account Created**  
Added test with the password test

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When you see the confirmation, simply go back. Now, we have to tackle assigning privileges to the user. This allows your Mysql username and password permission to access the database.

## 4. Assigning Privileges To Your Username And Password

Now that you have your username, password and database created, let's give you full permission to use this database. Scroll through the Mysql control panel page and look for a form with 2 pulldowns. One pulldown has the database name and the other pulldown field has your mysql username. If there are pre-existing databases or users, ignore those and pull up the ones that are relevant to your new database. See the screen capture below:



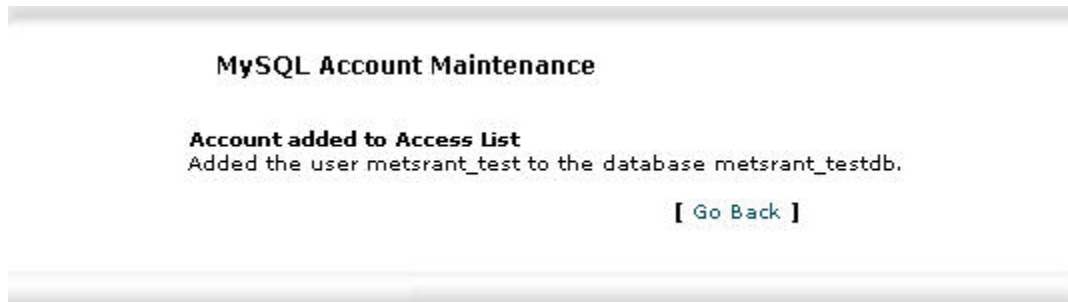
User:  Db:

Privileges:  ALL  ALTER  CREATE TEMPORARY TABLES  CREATE  
 DELETE  DROP  SELECT  INSERT  UPDATE  REFERENCES  
 INDEX  LOCK TABLES

In this example, I am looking for the “test” database and the “test” username. They are chosen, as you can see with the red circle, and now it is time to submit the form. All you do is submit the button that says “Add User To Db”.

That is it!

You will receive a confirmation:



**MySQL Account Maintenance**

**Account added to Access List**  
Added the user metsrant\_test to the database metsrant\_testdb.

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You have now successfully added a database along with the username and password

Now you can enter the details into your script. Remember that the user name and the database name both have a prefix, but there is no prefix on the password.