



Setting up a MySQL database

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MySQL databases are widely known as a fast and efficient way of stored data. They are used by many scripts such as forums, content management systems, etc. This tutorial will show you how to create a MySQL Database.

To begin, login to your control panel and click the button marked 'MySQL Database' shown in the screenshot below.



Creating a new database & user

1. We now need to create a database. Where you see a field named “MySQL Database” you should put in the name of the database that you would like to create. It should look something like the screenshot below.

MySQL Database:

Note
The database name you enter will be prefixed with **samcor_**

After you have named your new DB, click the Create MySQL database button to the right of the field for the database name. On the confirmation page, click go back to return to the original page as shown below.



The way Cpanel sets up database names would be to take the username of your Cpanel account and your database name and combine them, as shown on the main MySQL screen

2. Next, we need to create a user for the Database. To make this easier on yourself, you could create a global user to authorise for all of your databases. Near the bottom of the page, under existing users you should see the add user section where you should enter the username and password of the new MySQL user as shown below.

Where you see “User Name”, type in the username for the database you would like to create. Underneath that, type in the password for the username you would like to create. After you are satisfied, click the “Create MySQL user” button.

User Name:
Password:

Create MySQL user

When the confirmation is shown, click the 'Go Back' link to go back to the MySQL screen to complete the final step.

MySQL Account Maintenance

Account Created
Added user with the password pass

Click to go back

[Go Back]

3. Where you see the “User”, dropdown list, select the username you would like to use to authorise. Next to that where you see the “MySQL database” dropdown, select the database that you would like to authorize the user for. Once you have done that, click the “Grant Permissions” button.

Grant permissions on a MySQL database to a MySQL user

User: samcor_blog1 MySQL Database: samcor_blog2

Privileges:

<input checked="" type="checkbox"/> ALL	<input type="checkbox"/> ALTER	<input type="checkbox"/> CREATE TEMPORARY TABLES
<input type="checkbox"/> CREATE	<input type="checkbox"/> DELETE	<input type="checkbox"/> DROP
<input type="checkbox"/> SELECT	<input type="checkbox"/> INSERT	<input type="checkbox"/> UPDATE
<input type="checkbox"/> REFERENCES	<input type="checkbox"/> INDEX	<input type="checkbox"/> LOCK TABLES

Grant permissions

On the confirmation screen, click the “Go back” text to return once again to the page you were just at as shown below.

MySQL Account Maintenance

Account added to Access List
Added the user username_user to the database username_dbname.

Click to go back

[Go Back]

Congratulations! You have successfully created a database correctly. The “Existing MySQL Databases” section and the user assigned to the database show that everything has been done correctly as shown below.

MySQL Account Maintenance

Databases:

username_dbname Delete
<u>Users in username_dbname</u>
username_user Delete

Connection Strings

```
$dbh =  
Perl DBI->connect("DBI:mysql:username_dbname:localhost","username_  
HERE");  
$dbh=mysql_connect ("localhost", "username_user", "<PASSWORD .  
PHP cannot connect to the database because: ' . mysql_error());  
mysql_select_db ("username_dbname");
```

----- Add

Shows that DB is setup with user assigned

Your database is created and ready to be used. You can create the tables of your database and manage it in PHPMyAdmin, available in your control panel, or through SQL commands.

Deleting a database and/or user

1. Removing a database and/or MySQL user could not be easier. Simply click the delete button next to the username or database you wish to remove. **NOTE:** Please be careful - the data in any databases you remove cannot be recovered!

MySQL Account Maintenance

username_dbname Delete
<u>Users in username_dbname</u>
username_user Delete

Connection Strings

```
$dbh =  
Perl DBI->connect("DBI:mysql:username_dbname:localhost
```

Click to delete database

Click to delete user