

Basic SQL Commands

DB Management

Show Databases

```
SHOW DATABASES;
```

Create Database

```
CREATE DATABASE database-name;
```

Example:

```
CREATE DATABASE cmsdatabase;
```

Select a Database

```
USE database-name;
```

Example:

```
USE cmsdatabase;
```

Drop/Delete Database

Warning: This will delete the database and there is no way to restore it.

```
DROP database-name;
```

Table Management

Show Tables

```
SHOW TABLES;
```

Create Table

```
CREATE TABLE table-name ( column datatype, column datatype );
```

Show Table Fields

```
DESCRIBE table-name;
```

Drop/Delete Table

Warning: This will delete the table and there is no way to restore it.

```
DROP table-name;
```

User Management

Show Users

Show users with the access host and password:

```
SELECT user,host,password FROM mysql.user;
```

Add User

```
GRANT ALL PRIVILEGES ON database-name.table-name TO 'USERNAME'@'IP' IDENTIFIED BY 'PASSWORD';
```

Example: (This will allow the user to change ALL tables on the cmsdatabase database.)

```
GRANT ALL PRIVILEGES ON cmsdatabase.* TO 'cmsuser'@'localhost' IDENTIFIED BY 'lyx*I@y2#\Z$hC@CDhXXF';
```

Please note that if you need your user to be able to give permissions to other DB users you can add **WITH GRANT OPTION** in the end of the command before the ; . This can be a security issue.

Drop/Delete a User

```
DROP USER 'username'@'host';
```

Example:

```
DROP USER 'cmsuser'@'localhost';
```

Change Users Password

Change a users password:

```
SET PASSWORD FOR 'USERNAME'@'IP' = PASSWORD('PASSWORD');
```

Update Privileges

After changing privileges for a database or global user do NOT restart the database service instead you will need to do this:

```
FLUSH PRIVILEGES;
```

Import/Export

Import Database

Import a dump of an SQL:

```
mysql -u username -p -h localhost DATABASENAME < filename.sql
```

Export Database

Create a dump (backup) of a Database:

```
mysqldump -u username -p databasename > filename.sql
```

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