

MySQL Database Setup Guide for A3-Platform

You can create MySQL users and databases by running `mysql` from the shell. The SQL statements are shown below. Note that the `dolor` sign stands for the command prompt.

1. Login to the MySQL Client as administrator. It can be the actual 'root' user or any database administrator.

```
$ mysql -u root
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 1
Server version: 5.1.30-community MySQL Community server (GPL)

Type 'help;' or '\h' for help. Type '\c' to clear the buffer.

mysql>
```

2. Create the database for A3-Platform. You can name it as *A3PlatformDB* or any qualified name.

If your team will enter non-English characters, you **MUST** append ***DEFAULT CHARACTER SET utf8 COLLATE utf8_general_ci***; when creating database to let MySQL able to handle the non-English data, and to avoid displaying garbled and weird characters.

```
mysql> CREATE DATABASE A3PlatformDB DEFAULT CHARACTER SET utf8 COLLATE utf8_general_ci;
Query OK, 1 row affected (0.00 sec)
```

3. Create a user for managing the A3-Platform database and grant him/her with the privileges on the A3-Platform database.

a3platformuser is an example of user name. *localhost* is the *hostname*, which will usually be *localhost*. If you are not the administrator and if you don't know what this value should be, check with your system administrator.

Password should be difficult for someone else to guess. It is recommended to be a combination of letters, numbers and symbols, with a reasonable length.

```
mysql> GRANT ALL PRIVILEGES ON A3PlatformDB.* TO "a3platformuser"@"localhost"
-> IDENTIFIED BY "pass1";
Query OK, 0 rows affected (0.00 sec)
```

4. Since we have modified the granting of permission, we need to tell the server to reload the grant tables by calling ***FLUSH PRIVILEGES***.

```
mysql> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.01 sec)
```

5. This complete the setup of database. Exit the MySQL Client.

```
mysql> EXIT
Bye
$
```