

MySql Installation

Step-1 : Before installing any software you have to update your drivers to keep them up-to-date.

```
$ sudo apt update
```

Step-2: Install mysql server using the command 'sudo apt install mysql-server '. Click 'Y' for all prompts.

```
$ sudo apt install mysql-server
```

Step-3: After installation start the server using 'sudo systemctl start mysql.service'.

```
$ sudo systemctl start mysql.service
```

Step-4: Enter mysql command line using 'sudo mysql' command.

```
$ sudo mysql
```

Step-5: Set a password to the root user using

ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql_native_password BY 'password';

```
mysql> ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql_native_password BY 'password';
```

Step-6: Enter 'FLUSH PRIVILEGES;' command to refresh the privileges.

```
mysql> FLUSH PRIVILEGES;
```

Step-7: Exit the command line

```
mysql> exit
```

Step-8 : install the secure installation package

```
$ sudo mysql_secure_installation
```

Step-9: Press 'Y' for to setup the password and choose your preferred password setting strength.

Output

Securing the MySQL server deployment.

Connecting to MySQL using a blank password.

VALIDATE PASSWORD COMPONENT can be used to test passwords and improve security. It checks the strength of password and allows the users to set only those passwords which are secure enough. Would you like to setup VALIDATE PASSWORD component?

Press y|Y for Yes, any other key for No: **Y**

There are three levels of password validation policy:

LOW Length >= 8

MEDIUM Length >= 8, numeric, mixed case, and special characters

STRONG Length >= 8, numeric, mixed case, special characters and dictionary

Please enter 0 = LOW, 1 = MEDIUM and 2 = STRONG:

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Step-9: Enter the sql command line using root details by 'mysql -u root -p' command.

```
$ mysql -u root -p
```

Step-10: After typing the password and entering into the sql Command Line lets create a new user by

CREATE USER '<username>'@'localhost' IDENTIFIED WITH mysql_native_password BY '<password>;

```
mysql> CREATE USER '<username>'@'localhost' IDENTIFIED WITH mysql_native_password BY '<password>;
```

Example:

```
mysql> CREATE USER 'directususer'@'localhost' IDENTIFIED WITH mysql_native_password BY 'Directus@123';
```

Step-11: Grant the user with all privileges using

GRANT ALL PRIVILEGES ON *.* TO '<username>'@'localhost';

```
mysql> GRANT ALL PRIVILEGES ON *.* TO '<username>'@'localhost';
```

Example:

```
mysql> GRANT ALL PRIVILEGES ON *.* TO 'directususer'@'localhost';
```

Step-12: Now flush the privileges and exit.

```
mysql> FLUSH PRIVILEGES;
```

Step-13: Enter the mysql command line using the username that you have created.

```
~$ mysql -u <username> -p
```

Example:

```
~$ mysql -u directususer -p
```

Step-14: After typing the password and entering the command line lets create a new database.

```
mysql> create database <database name>;
```

Example:

```
mysql> create database directus;
```

Step-15: That was it, your mysql server has been successfully installed and was setup, now you can proceed with directus installation and configure it with mysql.