

MySQL Server Installation and Root Password Setup on Ubuntu

1. Install MySQL Server

```
sudo apt update  
sudo apt install mysql-server -y
```

2. Check MySQL Status

```
ps aux | grep mysqld
```

Expected output shows the `mysqld` process running.

3. Start MySQL (if not running)

```
sudo systemctl start mysql
```

4. Login to MySQL as Root (Ubuntu auth_socket plugin)

```
sudo mysql
```

5. Check Current Users and Authentication Plugins

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

Example output:

user	host	plugin
root	localhost	auth_socket

6. Change Root Password to mysql_native_password

```
ALTER USER 'root'@'localhost'  
IDENTIFIED WITH mysql_native_password  
BY 'UnigoStrong123!@#';  
FLUSH PRIVILEGES;
```

7. Verify Login with Password

```
mysql -u root -p  
# Enter password: UnigoStrong123!@#
```

Notes: - Use a strong password following MySQL policy requirements. - Make sure MySQL is running before attempting login. - For remote connections, consider creating a separate user and using SSH tunneling for security.