**DEPLOY MYSQL IN UBUNTU ON AWS – EC2 INSTANCE**

┌──────────────────────────────────────────────────────────────────────┐

│ • MobaXterm Personal Edition v24.1 • │

│ (SSH client, X server and network tools) │

│ │

│ ⮞ SSH session to ubuntu@3.255.250.219 │

│ • Direct SSH : ✓ │

│ • SSH compression : ✓ │

│ • SSH-browser : ✓ │

│ • X11-forwarding : ✓ (remote display is forwarded through SSH) │

│ │

│ ⮞ For more info, ctrl+click on help or visit our website. │

└──────────────────────────────────────────────────────────────────────┘

Welcome to Ubuntu 24.04 LTS (GNU/Linux 6.8.0-1008-aws x86\_64)

\* Documentation: https://help.ubuntu.com

\* Management: https://landscape.canonical.com

\* Support: https://ubuntu.com/pro

System information as of Thu May 30 11:58:13 UTC 2024

System load: 0.09 Processes: 112

Usage of /: 23.2% of 6.71GB Users logged in: 0

Memory usage: 23% IPv4 address for enX0: 172.31.25.199

Swap usage: 0%

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.

See https://ubuntu.com/esm or run: sudo pro status

The list of available updates is more than a week old.

To check for new updates run: sudo apt update

/usr/bin/xauth: file /home/ubuntu/.Xauthority does not exist

To run a command as administrator (user "root"), use "sudo <command>".

See "man sudo\_root" for details.

ubuntu@ip-172-31-25-199:~$ sudo su

ubuntu@ip-172-31-25-199:~$ sudo apt update

Get:1 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu noble InRelease [256 kB]

Get:2 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]

Get:3 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]

Get:4 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]

Get:5 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 Packages [1401 kB]

Get:6 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu noble/main Translation-en [513 kB]

Get:7 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Packages [15.0 MB]

Get:8 http://security.ubuntu.com/ubuntu noble-security/main amd64 Packages [84.7 kB]

Get:9 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu noble/universe Translation-en [5982 kB]

Get:10 http://security.ubuntu.com/ubuntu noble-security/main Translation-en [23.1 kB]

Get:11 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [6784 B]

Get:12 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Packages [34.6 kB]

Get:13 http://security.ubuntu.com/ubuntu noble-security/universe Translation-en [13.2 kB]

Get:14 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Components [8628 B]

Get:15 http://security.ubuntu.com/ubuntu noble-security/universe amd64 c-n-f Metadata [112 B]

Get:16 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Components [212 B]

Get:17 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Components [212 B]

Get:18 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 c-n-f Metadata [116 B]

Get:19 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Components [3871 kB]

Get:20 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 c-n-f Metadata [301 kB]

Get:21 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu noble/restricted amd64 Packages [93.9 kB]

Get:22 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu noble/restricted Translation-en [18.7 kB]

Get:23 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Packages [269 kB]

Get:24 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse Translation-en [118 kB]

Get:25 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Components [35.0 kB]

Get:26 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 c-n-f Metadata [8328 B]

Get:27 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [92.2 kB]

Get:28 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main Translation-en [25.9 kB]

Get:29 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [8424 B]

Get:30 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [42.7 kB]

Get:31 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe Translation-en [16.1 kB]

Get:32 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [44.8 kB]

Get:33 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 c-n-f Metadata [112 B]

Get:34 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Components [212 B]

Get:35 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Components [212 B]

Get:36 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 c-n-f Metadata [116 B]

Get:37 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 Components [208 B]

Get:38 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 c-n-f Metadata [112 B]

Get:39 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Packages [5812 B]

Get:40 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe Translation-en [2152 B]

Get:41 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Components [17.7 kB]

Get:42 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 c-n-f Metadata [116 B]

Get:43 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/restricted amd64 Components [216 B]

Get:44 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/restricted amd64 c-n-f Metadata [116 B]

Get:45 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 Components [212 B]

Get:46 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 c-n-f Metadata [116 B]

Fetched 28.7 MB in 6s (5104 kB/s)

Reading package lists... Done

Building dependency tree... Done

Reading state information... Done

46 packages can be upgraded. Run 'apt list --upgradable' to see them.

ubuntu@ip-172-31-25-199:~$

ubuntu@ip-172-31-25-199:~$ sudo apt install mysql-server

Reading package lists... Done

Building dependency tree... Done

Reading state information... Done

mysql-server is already the newest version (8.0.36-2ubuntu3).

0 upgraded, 0 newly installed, 0 to remove and 46 not upgraded.

ubuntu@ip-172-31-25-199:~$

ubuntu@ip-172-31-25-199:~$ sudo systemctl status mysql

● mysql.service - MySQL Community Server

Loaded: loaded (/usr/lib/systemd/system/mysql.service; enabled; preset: enabled)

Active: active (running) since Thu 2024-05-30 12:10:25 UTC; 25min ago

Process: 1996 ExecStartPre=/usr/share/mysql/mysql-systemd-start pre (code=exited, status=0/SUCCESS)

Main PID: 2005 (mysqld)

Status: "Server is operational"

Tasks: 38 (limit: 1130)

Memory: 350.6M (peak: 372.6M)

CPU: 6.959s

CGroup: /system.slice/mysql.service

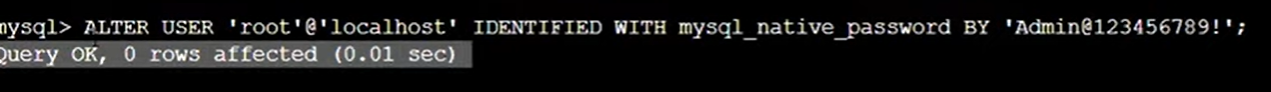
└─2005 /usr/sbin/mysqld

May 30 12:10:24 ip-172-31-25-199 systemd[1]: Starting mysql.service - MySQL Community Server...

May 30 12:10:25 ip-172-31-25-199 systemd[1]: Started mysql.service - MySQL Community Server.

ubuntu@ip-172-31-25-199:~$

If we want to change the password for the root user..



ubuntu@ip-172-31-25-199:~$ sudo mysql

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 13

Server version: 8.0.36-2ubuntu3 (Ubuntu)

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> CREATE DATABASE testingDb;

Query OK, 1 row affected (0.01 sec)

mysql> USE testingDb;

Database changed

mysql>

mysql> CREATE TABLE TBL1(id INT, name VARCHAR(45));

Query OK, 0 rows affected (0.04 sec)

mysql> INSERT INTO TBL1 VALUES(1,'TEST1')

-> ;

Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO TBL1 VALUES(2,'TEST2');

Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO TBL1 VALUES(3,'TEST3');

Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO TBL1 VALUES(4,'TEST4');

Query OK, 1 row affected (0.01 sec)

mysql> SELECT \* FROM TBL1;

+------+-------+

| id | name |

+------+-------+

| 1 | TEST1 |

| 2 | TEST2 |

| 3 | TEST3 |

| 4 | TEST4 |

+------+-------+

4 rows in set (0.00 sec)

mysql>