

MySQL Remote Access Configuration for XPerience Server

1. MySQL Changes

To allow the XPerience Server to connect to the MySQL database running on Ubuntu VM from the host machine, follow these steps:

Step 1: Run the MySQL Configuration Script

Execute the event.sql file to set up the database, create the required table, and grant remote access.

To execute this script, run the following command in Ubuntu VM.

```
"mysql -u root -p < event.sql"
```

Step 2: Allow Remote Connections in MySQL Configuration

Edit the MySQL configuration file.

Run

```
"sudo nano /etc/mysql/mysql.conf.d/mysqld.cnf"
```

Find this line:

```
"bind-address = 127.0.0.1" and change to "bind-address = 0.0.0.0"
```

This allows MySQL to accept connections from any IP address. Save the file and exit.

Step 3: Restart MySQL Service

After making changes, restart MySQL to apply them by running the below command. Run

```
"sudo systemctl restart mysql"
```

Now, MySQL should be ready to accept connections from external machines.

Step 4: Ensure MySQL is Listening for Remote Connections

Run the following command to check if MySQL is listening on port 3306:

```
"sudo ss -tlnp | grep mysql"
```

The expected output should be something similar to the below.

```
LISTEN 0    151      0.0.0.0:3306  0.0.0.0:*   users:(("mysqld",pid=2416,fd=23))
```

```
LISTEN 0    70       127.0.0.1:3306  0.0.0.0:*   users:(("mysqld",pid=2416,fd=21))
```

This confirms that MySQL is listening on all IP addresses (0.0.0.0) on port 3306.

2. MySQL Sockets Screenshot

Below is a screenshot showing the output of the command:

“sudo ss -tlnp | grep mysql”

```
Terminal - lawrrex@lawrrex-VirtualBox: ~  
File Edit View Terminal Tabs Help  
lawrrex@lawrrex-VirtualBox:~$ sudo ss -tlnp | grep mysql  
LISTEN 0      151          0.0.0.0:3306  0.0.0.0:*    users:(("mysqld",pid=2416,fd=23))  
LISTEN 0      70          127.0.0.1:3306 0.0.0.0:*    users:(("mysqld",pid=2416,fd=21))  
lawrrex@lawrrex-VirtualBox:~$
```