# Connecting to the database

**Installation and documentation completed by Arttu Pesonen, Geoffrey Thielman and Simon Barry**

To connect to the Virtual Machine the database is stored on we can use an ssh connection. We can use the following command to connect.

ssh -f [INSERT USER HERE]@195.148.22.205 -L 3308:localhost:3306 -N

Note: Use the username for the VM where the square brackets are placed.

To check the ports listening use the following command.

ss -ltnp

result:

LISTEN 0 80 0.0.0.0:3306 0.0.0.0:\*

LISTEN 0 128 127.0.0.1:3308 0.0.0.0:\* users:(("ssh",pid=3414,fd=5))

LISTEN 0 128 [::1]:3308 [::]:\* users:(("ssh",pid=3414,fd=4))

To connect to the database we can use the following command.

mysql -u testuser -p -h 127.0.0.1 -P 3308

Note: ‘-u’ denotes the username, ‘-p’ denotes the password that will be prompted when the command is committed, ‘-P’ denotes the port and the ‘-h 127.0.0.1’ denotes the local host.

We are now connected to the MariaDB database.