

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	:::3308	:::*
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```
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.