Maria-DB & MySQL

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1. How to install

```
sudo apt install mariadb-server
```

```
sudo mysql_secure_installation
```

```
-y,-y,-y,-y…
```

2. How to configure

2.1. Make it accessable from everywhere

```
sudo nano /etc/mysql/mariadb.conf.d/50-server.cnf
```

- **Methode One:**
  - `bind-adress = 0.0.0.0`
- **Methode Two:**

- bind-adress = stevan.ddns.net

2.2. Restart MYSQL-database

```
sudo service mysql restart
```

3. Basic MySQL statements for configuration

3.1. Enter MariaDB-Monitor

```
sudo mysql
```

3.2. Exit MariaDB-Monitor

```
exit
```

3.3. Create user

```
CREATE USER 'username'@'%' IDENTIFIED BY 'password';
```

3.4. Create user if not exists

```
CREATE USER IF NOT EXISTS 'user'@'%' IDENTIFIED BY 'password';
```

```
CREATE USER IF NOT EXISTS 'user'@'localhost' IDENTIFIED BY 'password';
```

3.5. User grants

```
GRANT ALL PRIVILEGES ON . TO 'username'@'%' WITH GRANT OPTION;
```

```
GRANT ALL PRIVILEGES ON . TO 'username'@'localhost' WITH GRANT OPTION;
```
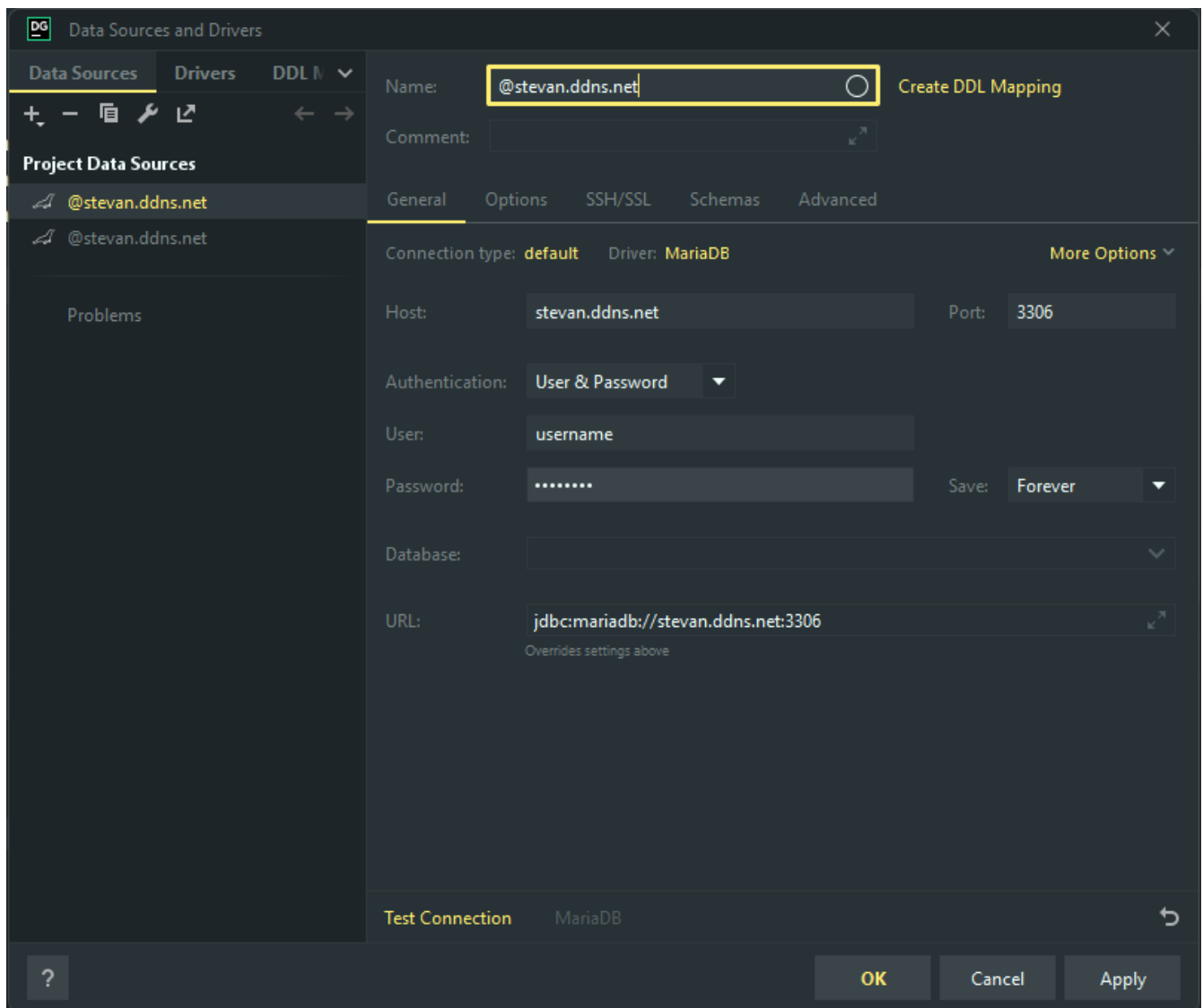
3.6. Delete user

```
DROP USER 'username'@'%';
```

```
DROP USER 'username'@'localhost';
```

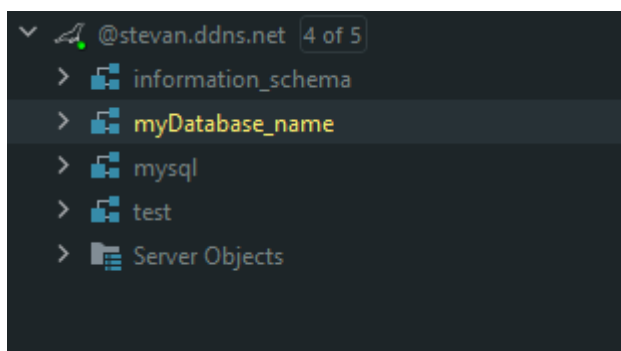# 4. Connect Maria-DB to Data-Grip

4.1. Select Maria-DB

4.2. Configure

5. Database commands in Data-Grip

5.1. Create database

```
CREATE DATABASE myDatabase_name;
```


5.2. Drop database

```
DROP DATABASE myDatabase_name;
```

5.3. SELECT database to use it

```
use myDatabase_name;
```

6. Insight View: Code Snippet

```
1     CREATE DATABASE myDatabase_name;
2     use test;
3
4     create table test (
5       name char(20),
6       rfid int(20)
7     );
8
9     insert into test (name, rfid) values('Stevan', 927466);
10    insert into test (name, rfid) values('Jonas', 924466);
11    insert into test (name, rfid) values('Tobias', 924443);
12
13    select * from test;
```