

# Setup Connection between Sonar and Postgresql database

## 1. build sonar database in Postgresql

a. create user sonar: `postgres=# create user sonar with password 'sonar';`, notice you must “;” at end of command,

b. verify: `postgres=# \du;`

c. create database:

```
postgres=# create database sonar with owner sonar encoding 'UTF8';
```

d. verify: `postgres=# \l;`

2. modify sonar jdbc url: modify “sonar.jdbc.url” as “jdbc:postgresql://localhost/sonar” in file \$SONAR\_HOME/conf/sonar.properties (remember comment out default h2 jdbc url);

3. start sonar server: `$SONAR_HOME/bin/sonar.sh console;`

4. verify: `psql -h localhost -d sonar -U sonar`, then

```
sonar=> select table_name from information_schema.tables where  
table_schema='public';
```

, you can see “49 rows” at the bottom of the output;

Note 2: When upgrade or reinstall SonarQube, and after modifying configuration file, you have to goto <http://10.0.2.74:9000/setup> to upgrade database manually, or you will see “sonar is under maintenance. please check back later”.