

Step:1 Install SonarQube on WSL

Requirements for this is:

Machine must have jdk-17 in wsl

- sudo apt update
- sudo apt install openjdk-17-jdk -y
- java -version

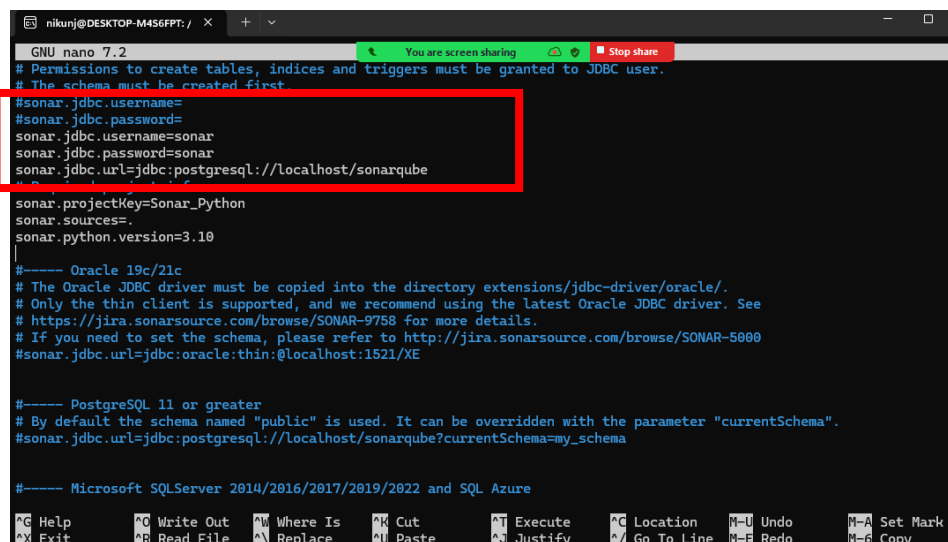
```
nikunj@DESKTOP-M4S6FPT:/mnt/c/Users/NEW$ java -version
openjdk version "17.0.15" 2025-04-15
OpenJDK Runtime Environment (build 17.0.15+6-Ubuntu-0ubuntu124.04)
OpenJDK 64-Bit Server VM (build 17.0.15+6-Ubuntu-0ubuntu124.04, mixed mode, sharing)
nikunj@DESKTOP-M4S6FPT:/mnt/c/Users/NEW$
```

Step:2 install PostgreSQL

- sudo apt install postgresql postgresql-contrib -y
- create sonarQube DB and User:
- sudo -u postgres psql
- CREATE USER sonar WITH PASSWORD 'sonar'
- CREATE DATABASE sonarqube OWNER sonar;
- \q

Step:3 Install Required dependencies

- sudo apt install unzip wget gnupg2 -y
- sudo wget <https://binaries.sonarsource.com/Distribution/sonarqube/sonarqube-10.5.1.90531.zip>
- sudo unzip sonarqube-10.5.1.90531.zip
- sudo mv sonarqube-10.5.1.90531 sonarqube
- sudo chown -R \$USER:\$USER sonarqube
- nano /opt/sonarqube/conf/sonar.properties

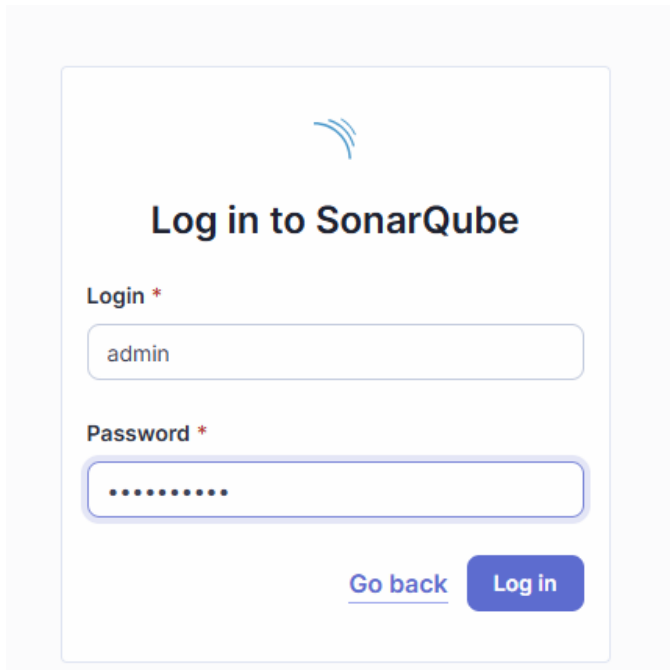


```
nikunj@DESKTOP-M4S6FPT: / x + v
GNU nano 7.2 You are screen sharing Stop share
# Permissions to create tables, indices and triggers must be granted to JDBC user.
# The schema must be created first.
#sonar.jdbc.username=
#sonar.jdbc.password=
sonar.jdbc.username=sonar
sonar.jdbc.password=sonar
sonar.jdbc.url=jdbc:postgresql://localhost/sonarqube
#-----
sonar.projectKey=Sonar_Python
sonar.sources=.
sonar.python.version=3.10
#----- Oracle 19c/21c
# The Oracle JDBC driver must be copied into the directory extensions/jdbc-driver/oracle/.
# Only the thin client is supported, and we recommend using the latest Oracle JDBC driver. See
# https://jira.sonarsource.com/browse/SONAR-9758 for more details.
# If you need to set the schema, please refer to http://jira.sonarsource.com/browse/SONAR-5000
#sonar.jdbc.url=jdbc:oracle:thin:@localhost:1521/XE
#----- PostgreSQL 11 or greater
# By default the schema named "public" is used. It can be overridden with the parameter "currentSchema".
#sonar.jdbc.url=jdbc:postgresql://localhost/sonarqube?currentSchema=my_schema
#----- Microsoft SQLServer 2014/2016/2017/2019/2022 and SQL Azure
^G Help ^G Write Out ^W Where Is ^K Cut ^T Execute ^C Location ^H-U Undo ^H-A Set Mark
^M Exit ^R Read File ^N Replace ^U Paste ^O Justify ^/_ Go To Line ^H-E Redo ^H-G Copy
```

```
sonar.jdbc.username=sonar
sonar.jdbc.password=sonar
sonar.jdbc.url=jdbc:postgresql://localhost/sonarqube
```

Step:5 Run the SonarQube

- `cd /opt/sonarqube/bin/linux-x86-64`
- `./sonar.sh start`
Check the status
- `./sonar.sh status`

The image shows the SonarQube login interface. At the top, there is a SonarQube logo (three blue curved lines) and the title "Log in to SonarQube". Below the title, there are two input fields. The first is labeled "Login *" and contains the text "admin". The second is labeled "Password *" and contains ten dots, indicating a masked password. At the bottom right of the form, there is a blue button labeled "Log in" and a blue link labeled "Go back" to its left.

Login:admin

Password:admin