sudo apt install openjdk-8-jdk

java –version

openjdk version "1.8.0\_222"

OpenJDK Runtime Environment (build 1.8.0\_222-8u222-b10-1ubuntu1~18.04.1-b10)

OpenJDK 64-Bit Server VM (build 25.222-b10, mixed mode)

naren@testv1:~$ which java

/usr/bin/java

naren@testv1:~$ read

read readarray readlink readonly readprofile

naren@testv1:~$ read

read readarray readlink readonly readprofile

naren@testv1:~$ readlink -f java

/home/naren/java

naren@testv1:~$ readlink -f javac

/home/naren/javac

naren@testv1:~$ ls -ln /usr/bin/java

lrwxrwxrwx 1 0 0 22 Dec 2 04:43 /usr/bin/java -> /etc/alternatives/java

naren@testv1:~$ ls -ld /etc/alternatives/java

lrwxrwxrwx 1 root root 46 Dec 2 04:43 /etc/alternatives/java -> /usr/lib/jvm/java-8-openjdk-amd64/jre/bin/java

naren@testv1:~$ readlink -f /usr/bin/java

/usr/lib/jvm/java-8-openjdk-amd64/jre/bin/java

naren@testv1:~$ sudo cat /etc/environment

PATH="/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games"

naren@testv1:~$ sudo nano /etc/environment

naren@testv1:~$ sudo source /etc/environment

sudo: source: command not found

naren@testv1:~$ source /etc/environment

naren@testv1:~$ echo $JAVA\_HOME

/usr/lib/jvm/java-11-openjdk-amd64/jre/bin

export JAVA\_HOME=/usr/lib/jvm/java-8-oracle

export M2\_HOME=/usr/local/src/apache-maven

export MAVEN\_HOME=/usr/local/src/apache-maven

export PATH=${M2\_HOME}/bin:${PATH}

source ~/.bashrc

sudo apt install mysql-server

sudo mysql\_secure\_installation

mysql -u root –p

mysql> CREATE DATABASE sonarqube;

Query OK, 1 row affected (0.00 sec)

mysql> EXIT;

Bye

naren@testv1:~$ sudo mysql -u root -p

Enter password:

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 6

Server version: 5.7.28-0ubuntu0.18.04.4 (Ubuntu)

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> GRANT ALL PRIVILEGES ON sonarqube.\* TO 'sonar'@'localhost' IDENTIFIED BY 'sonar';

Query OK, 0 rows affected, 1 warning (0.00 sec)

mysql> SELECT user,authentication\_string,plugin,host FROM mysql.user;

+------------------+-------------------------------------------+-----------------------+-----------+

| user | authentication\_string | plugin | host |

+------------------+-------------------------------------------+-----------------------+-----------+

| root | | auth\_socket | localhost |

| mysql.session | \*THISISNOTAVALIDPASSWORDTHATCANBEUSEDHERE | mysql\_native\_password | localhost |

| mysql.sys | \*THISISNOTAVALIDPASSWORDTHATCANBEUSEDHERE | mysql\_native\_password | localhost |

| debian-sys-maint | \*F8A00012ECEE400B8AA71E5A4B1E23F25E02AEAB | mysql\_native\_password | localhost |

| sonar | \*FF3F7E37D1D1A455D48332A48E2405496D372911 | mysql\_native\_password | localhost |

+------------------+-------------------------------------------+-----------------------+-----------+

5 rows in set (0.00 sec)

mysql> FLUSH PRIVILEGES;

Query OK, 0 rows affected (0.00 sec)

mysql> exit

Bye

naren@testv1:~$ sudo mysql -u sonar -p sonar

Enter password:

ERROR 1044 (42000): Access denied for user 'sonar'@'localhost' to database 'sonar'

naren@testv1:~$ sudo mysql -u sonar -p

Enter password:

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 8

Server version: 5.7.28-0ubuntu0.18.04.4 (Ubuntu)

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show databases;

+--------------------+

| Database |

+--------------------+

| information\_schema |

| sonarqube |

+--------------------+

2 rows in set (0.00 sec)

mysql>

sudo mkdir /opt/sonarqube

cd /opt/sonarqube

sudo adduser sonarqube

Adding user `sonarqube' ...

Adding new group `sonarqube' (1001) ...

Adding new user `sonarqube' (1001) with group `sonarqube' ...

Creating home directory `/home/sonarqube' ...

Copying files from `/etc/skel' ...

Enter new UNIX password:

Retype new UNIX password:

passwd: password updated successfully

Changing the user information for sonarqube

Enter the new value, or press ENTER for the default

Full Name []: sonarqube

Room Number []:

Work Phone []:

Home Phone []:

Other []:

Is the information correct? [Y/n] y

naren@testv1:/opt/sonarqube$ users;

naren naren

naren@testv1:/opt/sonarqube$ sudo users;

naren naren

naren@testv1:/opt/sonarqube$ sudo user;

sudo: user: command not found

naren@testv1:/opt/sonarqube$ sudo chown -R sonarqube:sonarqube /opt/sonarqube

naren@testv1:/opt/sonarqube$ ls /opt/sonarqube/ -al

total 8

drwxr-xr-x 2 sonarqube sonarqube 4096 Dec 2 06:25 .

drwxr-xr-x 3 root root 4096 Dec 2 06:25 ..

naren@testv1:/opt/sonarqube$ sudo wget https://binaries.sonarsource.com/Distribution/sonarqube/sonarqube-6.7.6.zip

--2019-12-02 06:36:27-- https://binaries.sonarsource.com/Distribution/sonarqube/sonarqube-6.7.6.zip

Resolving binaries.sonarsource.com (binaries.sonarsource.com)... 91.134.125.245

Connecting to binaries.sonarsource.com (binaries.sonarsource.com)|91.134.125.245|:443... connected.

HTTP request sent, awaiting response... 200 OK

Length: 159610886 (152M) [application/zip]

Saving to: ‘sonarqube-6.7.6.zip’

sonarqube-6.7.6.zip 100%[=======================================================================>] 152.22M 31.2MB/s in 5.4s

2019-12-02 06:36:33 (27.9 MB/s) - ‘sonarqube-6.7.6.zip’ saved [159610886/159610886]

naren@testv1:/opt/sonarqube$ ls -al

total 155880

drwxr-xr-x 2 sonarqube sonarqube 4096 Dec 2 06:36 .

drwxr-xr-x 3 root root 4096 Dec 2 06:25 ..

-rw-r--r-- 1 root root 159610886 Nov 20 2018 sonarqube-6.7.6.zip

naren@testv1:/opt/sonarqube$ sudo unzip sonarqube-6.7.6.zip

sudo: unzip: command not found

naren@testv1:/opt/sonarqube$ sudo apt-get install unzip –y

naren@testv1:/opt/sonarqube$ ls -al

total 155884

drwxr-xr-x 3 sonarqube sonarqube 4096 Dec 2 06:37 .

drwxr-xr-x 3 root root 4096 Dec 2 06:25 ..

drwxr-xr-x 11 root root 4096 Nov 20 2018 sonarqube-6.7.6

-rw-r--r-- 1 root root 159610886 Nov 20 2018 sonarqube-6.7.6.zip

naren@testv1:/opt/sonarqube$ sudo rm sonarqube-6.7.6.zip

naren@testv1:/opt/sonarqube$ ls -al

total 12

drwxr-xr-x 3 sonarqube sonarqube 4096 Dec 2 06:37 .

drwxr-xr-x 3 root root 4096 Dec 2 06:25 ..

drwxr-xr-x 11 root root 4096 Nov 20 2018 sonarqube-6.7.6

naren@testv1:/opt/sonarqube$ sudo nano sonarqube-6.7.6/conf/sonar.properties

naren@testv1:/opt/sonarqube$ sudo mysql -u sonar -p

Enter password:

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 9

Server version: 5.7.28-0ubuntu0.18.04.4 (Ubuntu)

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show databases;

+--------------------+

| Database |

+--------------------+

| information\_schema |

| sonarqube |

This is very important

=======================

sudo chown -R sonarqube:sonarqube /opt/sonarqube/sonarqube-6.7.6

naren@testv1:/opt/sonarqube$ cat /etc/systemd/system/sonarqube.service

[Unit]

Description=SonarQube service

After=syslog.target network.target

[Service]

Type=forking

ExecStart=/opt/sonarqube/sonarqube-6.7.6/bin/linux-x86-64/sonar.sh start

ExecStop=/opt/sonarqube/sonarqube-6.7.6/bin/linux-x86-64/sonar.sh stop

User=sonarqube

Group=sonarqube

Restart=always

[Install]

WantedBy=multi-user.target

Make the following changes:

RUN\_AS\_USER=sonar

90049c99733ed70cf83c37be62ac645ff4316bee

For me, the solution was to go to Manage Jenkins -> Global Tool Configuration, and set up maven there. You can access this via /configureTools (ex: <http://your-ip:8080/jenkins/configureTools> )

Example: Maven installations

* Name: my\_maven\_3.3.9
* MAVEN\_HOME: /usr/share/maven

Additional configurations for other common tools at /configureTools :

Git installations

* Name: my\_git\_2.11.0
* Path to Git executable: /usr/bin/git

JDK installations

* Name: my\_jdk\_1.8.0\_161
* JAVA\_HOME: /opt/jdk/jdk1.8.0\_161