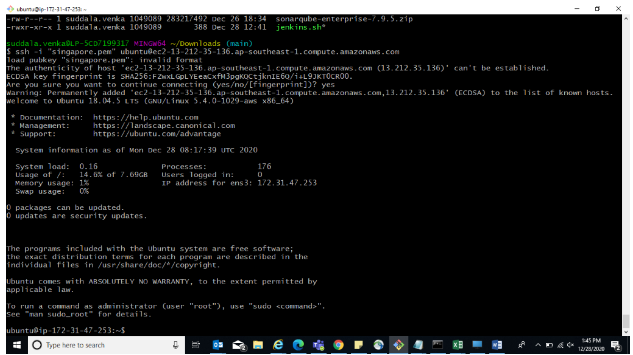
**Sonarqube - Installation on Ubuntu Linux**

1. First login with PEM file as per below screenshot:



**2. #Use apt-get to install the required packages and java 11 version.**

apt-get update

apt-get install unzip software-properties-common wget default-jdk

**3. #Install the PostgreSQL database service.**

apt-get install postgresql postgresql-contrib

**4. #Access the Postgres database service command-line.**

su - postgres

psql

**5. #Create a Postgres user named sonarqube.**

**#Create a Postgres database named sonarqube.**

**#Give the PostgreSQL user named sonarqube permission over the database named sonarqube .**

CREATE USER sonarqube WITH PASSWORD 'kamisama123';

CREATE DATABASE sonarqube OWNER sonarqube;

GRANT ALL PRIVILEGES ON DATABASE sonarqube TO sonarqube;

\q

**6. #Exit from the postgres**

**#Download the Sonarqube package and move it to the OPT directory.**

mkdir /downloads/sonarqube -p

cd /downloads/sonarqube

wget https://binaries.sonarsource.com/Distribution/sonarqube/sonarqube-7.9.1.zip

unzip sonarqube-7.9.1.zip

mv sonarqube-7.9.1 /opt/sonarqube

**7. #Create a new Linux account named sonarqube.**

**#Set the correct file permission on the sonarqube directory.**

adduser --system --no-create-home --group --disabled-login sonarqube

chown -R sonarqube:sonarqube /opt/sonarqube

**8. #Edit the sonar.sh configuration file.**

vi /opt/sonarqube/bin/linux-x86-64/sonar.sh

RUN\_AS\_USER=sonarqube

**9. #Edit the sonar.properties configuration file.**

vi /opt/sonarqube/conf/sonar.properties

sonar.jdbc.username=sonarqube

sonar.jdbc.password=kamisama123

sonar.jdbc.url=jdbc:postgresql://localhost/sonarqube

sonar.web.javaAdditionalOpts=-server

sonar.web.host=0.0.0.0

**10. #Create a Linux configuration file named 99-sonarqube.conf.**

vi /etc/security/limits.d/99-sonarqube.conf

**11. #Here  is the content of the 99-sonarqube.conf file.**

sonarqube   -   nofile   65536

sonarqube   -   nproc    4096

**12. #Edit the sysctl.conf configuration file.**

vi /etc/sysctl.conf

**13.#Add the following lines at the end of the sysctl.conf file.**

vm.max\_map\_count=262144

fs.file-max=65536

**14. #Reboot your computer to enable the new configuration**

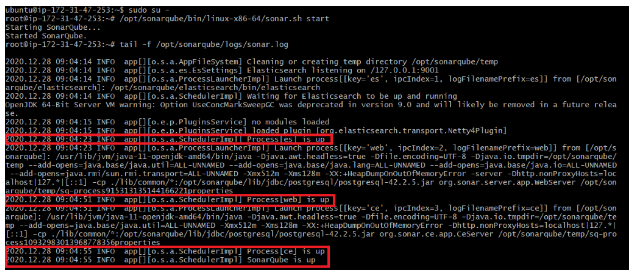
reboot

**15. #Start the Sonarqube service.**

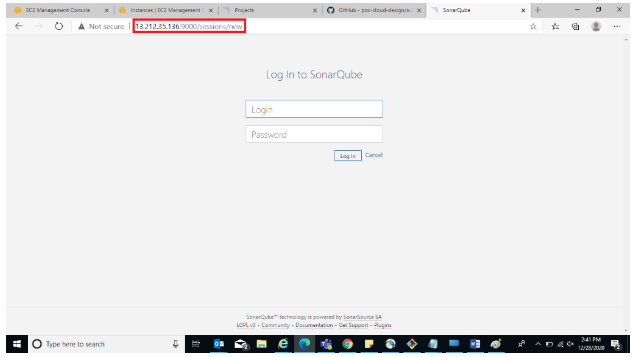
/opt/sonarqube/bin/linux-x86-64/sonar.sh start

**16. #Use the following command to monitor the SonarQube log.**

 tail -f /opt/sonarqube/logs/sonar.log



**#The Sonarqube log should show the following information:**



**Username : admin**

**Password : admin**

[**http://13.212.35.136:9000/**](http://13.212.35.136:9000/)

