SonarQube installation and integration with Jenkins

Sonarqube is web-based and open source platform used to measure and analyse the source code Quality .SonarQube is written in java but it can analyse and manage code of more then 20 programming language ,including c c++,pl/SQL,cobol etc through plugins

Pre-Req:

Amazin linux server with 3 GB and more then

Java (1.8)installation

Step1: java installation

cd /opt/

#Download the java

wget -c --header "Cookie: oraclelicense=accept-securebackup-cookie" <http://download.oracle.com/otn-pub/java/jdk/8u131-b11/d54c1d3a095b4ff2b6607d096fa80163/jdk-8u131-linux-x64.rpm>

#install the java

rpm -ivh jdk-8u131-linux-x64.rpm

java -version

Step 2:

#Download the SonarQube zip file

wget https://binaries.sonarsource.com/Distribution/sonarqube/sonarqube-7.6.zip

#unzip the file

ls

unzip sonarqube-7.5.zip

#create the user and set no passwd

useradd sonar

visudo

here add the line below this line root ALL (ALL) ALL(ALL)

sonar ALL(ALL) NOPASSWD ALL(ALL)

:wq!

# change the ownership of the SonarQube directory

Chown -R sonar:sonar /opt/SonarQube(directory name)

And change the permission also

Chmod -R 700 sonarQube

#switch the sonar user

Su – sonar

cd /opt/sonarqube7.6

pwd

ll

cd bin

cd linux-x68-32

ll

./sonar.sh start

Go to web page

https://Sonarqube ipadress:9000

login

un=admin

pw=admin

🡺go to administration 🡺security🡺user🡺admin🡺tokenS🡺

Token name = jenkins 🡺generete

Copy the token and save some ware 🡺 done

Go to Jenkins console here install the sonarqube scanner plugin

And configure it

Manage Jenkins🡺configure Jenkins🡺sonarqube server section

🡺add sonarqube

Name =sonarqube

Server URL = Sonarqube ipadress:9000

🡺add 🡺kind section 🡺secreat text 🡺

Secreat =give here token

Description =sonarqube 🡺add

Server authentication token =sonarqube

🡺apply and save .

Now successfully integration sonarqube in Jenkins

TO check the code quality in sonarqube

Go to Jenkins console select to the which job you want to checj the code quality

🡺select the job 🡺 configure🡺post-build-action 🡺add post build action 🡺SonarQube analysis with Maven🡺advence 🡺maven version 🡺select maven version 🡺apply and save🡺build now

Now you can check the sonarqube console project section