

SonarQube installation

pre-requisite

Ram size – 2gb

Hard disk – 5gb

sonarqube is a java based Application, so we need to install java

```
# sudo apt install openjdk-8-jdk -y
```

Download sonarqube 5.7 version from the web

```
# wget
```

```
https://binaries.sonarsource.com/Distribution/sonarqube/sonarqube-5.6.7.zip
```

```
# sudo apt install unzip -y
```

```
# unzip sonarqube-5.6.7.zip
```

Sonarqube default database is Mysql, install mysql on your machine

```
# sudo apt install mysql-server -y
```

```
# sudo systemctl start mysql
```

Login into mysql server, create a database, user & add privileges to that user

```
# mysql -u username -p
```

```
mysql > create database sonar;
```

```
mysql > create user'sonar' identified by 'sonar';
```

```
mysql > grant all on sonar.* to 'sonar'@'%';
```

```
mysql > grant all on sonar.* to 'sonar'@'localhost' identified by 'sonar';
```

```
mysql > flush privileges;
```

```
mysql > exit
```

```
mysql> create database sonar;
Query OK, 1 row affected (0.00 sec)

mysql> create user 'sonar' identified by 'sonar';
Query OK, 0 rows affected (0.01 sec)

mysql> grant all on sonar.* to 'sonar'@'%';
Query OK, 0 rows affected (0.00 sec)

mysql> grant all on sonar.* to 'sonar'@'localhost';
ERROR 1133 (42000): Can't find any matching row in the user table
mysql> grant all on sonar.* to 'sonar'@'localhost' identified by 'sonar';
Query OK, 0 rows affected, 1 warning (0.01 sec)

mysql> flush privileges;
Query OK, 0 rows affected (0.00 sec)

mysql>
mysql> exit
Bye
```

cd [sonarqube-5.6.7](#)

cd conf

vi sonar.properties

```

#-----
# DATABASE
#
# IMPORTANT: the embedded H2 database is used by default. It is recommended for tests but not for
# production use. Supported databases are MySQL, Oracle, PostgreSQL and Microsoft SQLServer.

# User credentials.
# Permissions to create tables, indices and triggers must be granted to JDBC user.
# The schema must be created first.
sonar.jdbc.username=sonar
sonar.jdbc.password=sonar

#----- Embedded Database (default)
# H2 embedded database server listening port, defaults to 9092
#sonar.embeddedDatabase.port=9092
#----- MySQL 5.6 or greater
# Only InnoDB storage engine is supported (not myISAM).
# Only the bundled driver is supported. It can not be changed.
sonar.jdbc.url=jdbc:mysql://localhost:3306/sonar?useUnicode=true&characterEncoding=utf8&rewrite
statements=true&useConfigs=maxPerformance

```

save & exit

```
# cd ../bin
```

```
# cd linux-x86-64
```

```
# ./sonar.sh start
```

- Install sonarqube scanner Plugin
- go to manage-jenkins-----> systemconfiguration

SonarQube servers

Environment variables

☐ Enable injection of SonarQube server configuration as build environment variable
If checked, job administrators will be able to inject a SonarQube server configuration as environment variable in build.

SonarQube installations

Name

Server URL

Default is http://localhost:9000

Server authentication token

SonarQube authentication token. Mandatory when anonymous access is disabled.

Advanced

Delete SonarQube

Add SonarQube

List of SonarQube installations

apply & save

- go to manage-jenkins-----> global tool configuration

SonarQube Scanner

SonarQube Scanner installations

Add SonarQube Scanner

SonarQube Scanner

Name

☒ Install automatically

Install from Maven Central

Version

Delete Installation

Add Installer

Delete SonarQube Scanner

apply & save

Create a job

Activities Google Chrome Mon 16:15

Installing x Download x naveen-e x DevOps x sonarqub x VProfile x

Not secure | 192.168.1.7:8080/job/sonarqube/configure

Jenkins sonarqube

General **Source Code Management** Build Triggers Build Environment Build

Post-build Actions

Source Code Management

☐ None
☒ Git

Repositories

Repository URL

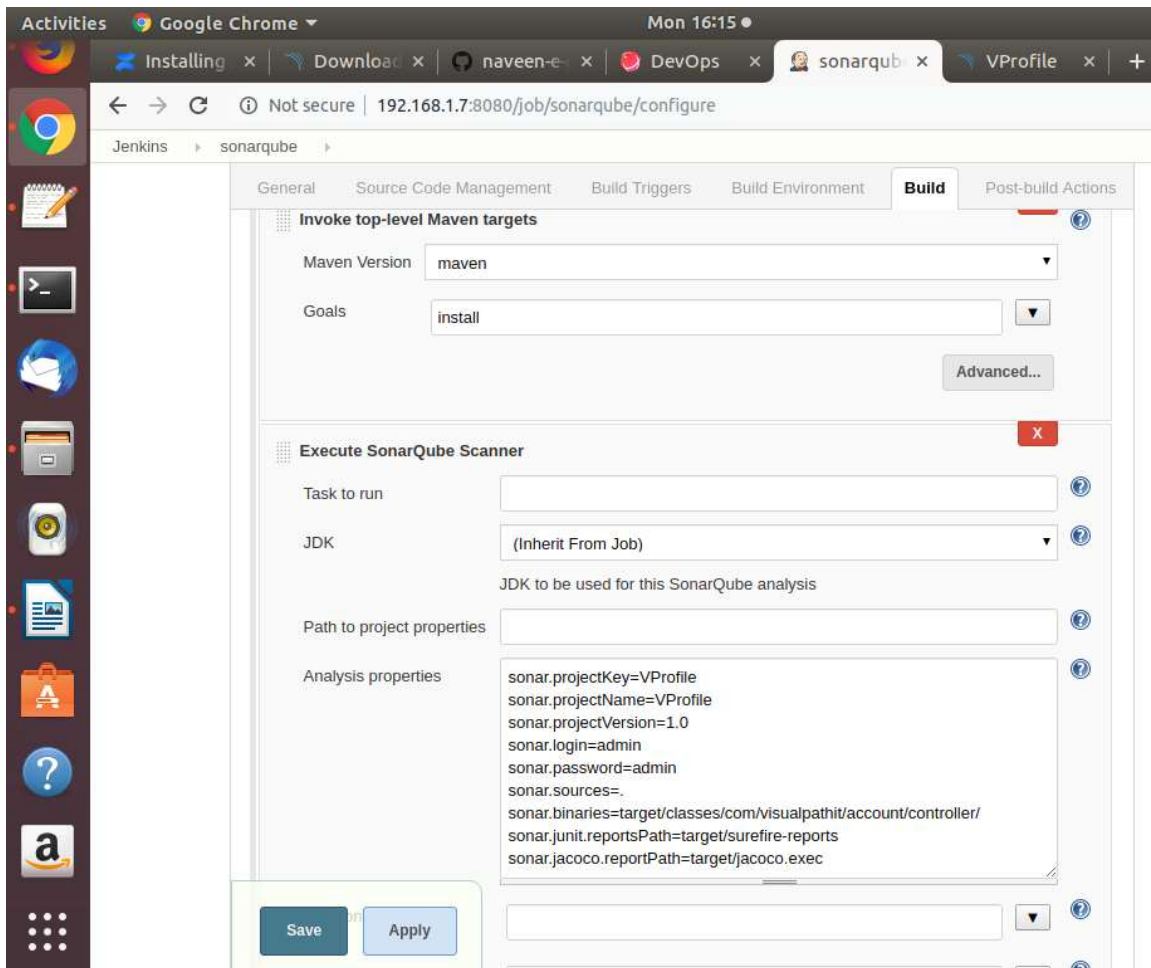
Credentials

Branches to build

Branch Specifier (blank for 'any')

Repository browser

Additional Behaviours



save & build now

after build got success,

hit the sonarqube server ip at browser

ex: <http://192.168.1.8:9000>

Activities Google Chrome Mon 16:17

Installing x Download x naveen-e x DevOps x sonarqub x SonarQub x

sonarqube Dashboards Issues Measures Rules Quality Profiles Quality Gates More

SonarQube Dashboard

able to read this, it means that you fully started your SonarQube server.

ot removed this text, it also means not yet played much with So here are a few pointers for your

ow want to run analysis on a

art customizing dashboards?

y browse the complete station?

ve a question or an issue, please Get Support page.

PROJECTS

QG	NAME	VERSION	LOC	BUGS	VULNERABILITIES	CODE SMELLS
✓	VProfile	1.0	475	0	14	24

1 results

PROJECTS

Size: Lines of Code Color: Coverage

VProfile
Coverage: 43.5%
Lines of Code: 475

VProfile