

Install sonarqube and create rds:

```
# cd /opt
```

```
# wget https://binaries.sonarsource.com/Distribution/sonarqube/sonarqube-6.7.6.zip
```

```
# unzip sonarqube-6.0.zip
```

```
# mv /opt/sonarqube-6.0 /opt/sonar
```

```
mysql -h sonarqubedb1.czjw6lpzdlon.ap-south-1.rds.amazonaws.com -u sonarqubedb1 -p sonarqubedb1
```

Edit sonar properties file to uncomment and provide required information for below properties.

File Name: /opt/sonar/conf/sonar.properties

```
sonar.jdbc.username=sonar
```

```
sonar.jdbc.password=sonar
```

```
sonar.jdbc.url=jdbc:mysql://<RDS_DATABAE_ENDPOINT>:3306/sonar?useUnicode=true&characterEncoding=utf8&rewriteBatchedStatements=true&useConfigs=maxPerformance&useSSL=false
```

```
sonar.web.host=0.0.0.0
```

```
sonar.web.context=/sonar
```

Start SonarQube service

```
# cd /opt/sonar/bin/linux-x86-64/
```

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

```
CREATE DATABASE sonar CHARACTER SET utf8 COLLATE utf8_general_ci;
```

Create a local and a remote user

```
CREATE USER sonar@localhost IDENTIFIED BY 'sonar';
```

```
CREATE USER sonar@'%' IDENTIFIED BY 'sonar';
```

Grant database access permissions to users

```
GRANT ALL ON sonar.* TO sonar@localhost;
```

```
GRANT ALL ON sonar.* TO sonar@'%';
```

check users and databases

use mysql

show databases;

```
SELECT User FROM mysql.user;
```

```
FLUSH PRIVILEGES;
```

```
QUIT
```

install java `sudo yum install java-1.8.0`

`/opt/sonar/bin/linux-x86-64`

Do changes in wrapper.conf file: `/opt/sonar/conf`

```
# Path to JVM executable. By default it must be available in PATH.
# Can be an absolute path, for example:
#wrapper.java.command=/path/to/my/jdk/bin/java
wrapper.java.command=/usr/lib/jvm/java-1.8.0-openjdk-1.8.0.191.b12-0.amzn2.x86_64/jre/bin/java
#
```

Install sonar plugins in Jenkins

Updates

Available

Installed

Advanced

Install	Name	Version
<input checked="" type="checkbox"/>	<a href="#">SonarQube Scanner</a> This plugin allows an easy integration of <a href="#">SonarQube</a> , the open source platform for Continuous Inspection of code quality.	2.8.1
<input type="checkbox"/>	<a href="#">Mashup Portlets</a> Additional Dashboard Portlets: Generic JS Portlet (lets you pull in arbitrary content via JS), Recent Changes Portlet (shows the SCM changes for a given job), SonarQube Portlets (show SonarQube statistics directly in Jenkins) and Test Results Portlet (shows the test results for a given job).	1.0.9
<input type="checkbox"/>	<a href="#">Sonar Gerrit</a> This plugin allows to submit issues from <a href="#">SonarQube</a> to <a href="#">Gerrit</a> as comments directly.	2.3

Install without restart

Download now and install after restart

Update information obtained: 1 hr 11 min ago

Check now

Go to sonarqube console with 9000 port and create token

Administrator---my account---security

sonarqube

Dashboards

Issues

Measures

Rules

Quality Profiles

Quality Gates

Administration

More

Administrator

Administrator admin

Issues

Projects

Notifications

Security

Tokens

If you want to enforce security by not providing credentials of a real SonarQube user to run your code scan or to invoke web services, you can provide a User Token as a replacement of the user login. This will increase the security of your installation by not letting your analysis user's password going through your network.

Name	Created	
project	February 28, 2019	<a href="#">Revoke</a>

Change password

Old Password\*

New Password\*

Confirm Password\*

Change password

Generate Tokens

Enter Token Name

Generate

New token "project" has been created. Make sure you copy it now, you won't be able to see it again!

Copy

942cdbcfd68ff4c40ff80f8b87ee558da22ef1a8

Go to Jenkins—manage Jenkins ---configuration system---

SonarQube servers

Environment variables

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

SonarQube installations

Name

sonar

Server URL

http://35.154.162.49:9000

Default is http://localhost:9000

Server authentication token

.....

SonarQube authentication token. Mandatory when anonymous access is disabled.

Advanced...

Delete SonarQube

Add SonarQube