Install SonarQube On Ubuntu 16.04:

Step1 : Verify Weather Java 8 Installed (OR )NOT

Step2 : Install MySql 5.7

wget <http://dev.mysql.com/get/mysql-apt-config_0.8.0-1_all.deb>

ls

root@jenkins:~# ls

mysql-apt-config\_0.8.0-1\_all.deb

dpkg -i mysql-apt-config\_0.8.0-1\_all.deb

apt-get update

apt-get install mysql-server (Follow instructions)

mysql -u root –p ( to login to mysql)

Then You Will See Like

Mysql>

mysql> show databases;

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

| Database |

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

| information\_schema |

| mysql |

| performance\_schema |

| sys |

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

4 rows in set (0.00 sec)

mysql> CREATE DATABASE sonar CHARACTER SET utf8 COLLAT utf8\_general\_ci;

Query OK, 1 row affected (0.00 sec)

mysql> show databases;

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

| Database |

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

| information\_schema |

| mysql |

| performance\_schema |

| sonar |

| sys |

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

5 rows in set (0.00 sec)

mysql> CREATE USER 'sonar' IDENTIFIED BY 'sonar';

Query OK, 0 rows affected (0.00 sec)

mysql> GRANT ALL ON sonar.\* TO 'sonar'@'%' IDENTIFIED BY 'sonar';

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

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> exit

Bye

Step3 : root@jenkins:~# vi /etc/mysql/mysql.conf.d/mysqld.cnf

Step4 :

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#

# The MySQL Server configuration file.

#

# For explanations see

# http://dev.mysql.com/doc/mysql/en/server-system-variables.html

[mysqld]

pid-file = /var/run/mysqld/mysqld.pid

socket = /var/run/mysqld/mysqld.sock

datadir = /var/lib/mysql

log-error = /var/log/mysql/error.log

# By default we only accept connections from localhost

bind-address = 192.168.33.20 🡪 We Should Give Our IP Adress

# Disabling symbolic-links is recommended to prevent assorted security risks

symbolic-links=0

Step5 : **Download Sonarqube**

root@jenkins:~# **wget http://sonarsource.bintray.com/Distribution/sonarqube/sonar qube-6.1.zip**

--2017-10-28 19:21:30-- http://sonarsource.bintray.com/Distribution/sonarqube/s onarqube-6.1.zip

Resolving sonarsource.bintray.com (sonarsource.bintray.com)... 108.168.243.150

Connecting to sonarsource.bintray.com (sonarsource.bintray.com)|108.168.243.150| :80... connected.

HTTP request sent, awaiting response... 302

Location: http://akamai.bintray.com/21/21ecd2a1c85bfb438411e44d7b9edcca310e8d6fc a96b6da97efe9481ff3b806?\_\_gda\_\_=exp=1509219215~hmac=de30be8728a6bff2e4316fc1c390 7454e4bf9b7a13f6a2eedb516590c19e9a73&response-content-disposition=attachment%3Bf ilename%3D%22sonarqube-6.1.zip%22&response-content-type=application%2Fzip&reques tInfo=U2FsdGVkX1-AS3ge4OjoxRrvZqFjzsGVdAfxzyykRDDWThoMZz11sBU5g3Lbap-nfnu-Xe24LM Su4gs21D4ojdnaDCh6yZExoaCnUDygJWE6\_oYpALupX\_rLD347VoV521RmzRCDuVktoOU2NPI\_LQ&res ponse-X-Checksum-Sha1=cfdc7a0de4fa048d1b375841c1657f938aaf8457&response-X-Checks um-Sha2=21ecd2a1c85bfb438411e44d7b9edcca310e8d6fca96b6da97efe9481ff3b806 [follow ing]

--2017-10-28 19:21:31-- http://akamai.bintray.com/21/21ecd2a1c85bfb438411e44d7b 9edcca310e8d6fca96b6da97efe9481ff3b806?\_\_gda\_\_=exp=1509219215~hmac=de30be8728a6b ff2e4316fc1c3907454e4bf9b7a13f6a2eedb516590c19e9a73&response-content-disposition =attachment%3Bfilename%3D%22sonarqube-6.1.zip%22&response-content-type=applicati on%2Fzip&requestInfo=U2FsdGVkX1-AS3ge4OjoxRrvZqFjzsGVdAfxzyykRDDWThoMZz11sBU5g3L bap-nfnu-Xe24LMSu4gs21D4ojdnaDCh6yZExoaCnUDygJWE6\_oYpALupX\_rLD347VoV521RmzRCDuVk toOU2NPI\_LQ&response-X-Checksum-Sha1=cfdc7a0de4fa048d1b375841c1657f938aaf8457&re sponse-X-Checksum-Sha2=21ecd2a1c85bfb438411e44d7b9edcca310e8d6fca96b6da97efe9481 ff3b806

Resolving akamai.bintray.com (akamai.bintray.com)... 23.199.129.224

Connecting to akamai.bintray.com (akamai.bintray.com)|23.199.129.224|:80... conn ected.

HTTP request sent, awaiting response... 200 OK

Length: 127575358 (122M) [application/zip]

Saving to: âsonarqube-6.1.zipâ

100%[======================================>] 127,575,358 1.24MB/s in 83s

2017-10-28 19:22:54 (1.47 MB/s) - âsonarqube-6.1.zipâ saved [127575358/127575358 ]

Step6 : root@jenkins:~# ls

mysql-apt-config\_0.8.0-1\_all.deb sonarqube-6.1.zip

Step7 :

root@jenkins:~# **apt-get install unzip**

Step8 :

root@jenkins:~# unzip sonarqube-6.1.zip

Step9 :

root@jenkins:~# ls

mysql-apt-config\_0.8.0-1\_all.deb sonarqube-6.1 sonarqube-6.1.zip

Step10 :

root@jenkins:~# **ls sonarqube-6.1**

bin conf COPYING data extensions lib logs temp web

Step11 :

root@jenkins:~# **mv** **sonarqube-6.1 /opt/sonar**

root@jenkins:~# cd /opt/sonar/

Step 12 :

root@jenkins:/opt/sonar/bin/linux-x86-64# **ls**

lib sonar.sh wrapper

root@jenkins:/opt/sonar/bin/linux-x86-64# ./sonar.sh

Usage: ./sonar.sh { console | start | stop | restart | status | dump }

root@jenkins:/opt/sonar/bin/linux-x86-64# ./sonar.sh status

SonarQube is not running.

root@jenkins:/opt/sonar/bin/linux-x86-64# ./sonar.sh start

Starting SonarQube...

Started SonarQube.

**Step 13 :**

root@jenkins:~# **service mysql restart**

\* Stopping MySQL Community Server 5.7.20

...

\* MySQL Community Server 5.7.20 is stopped

\* Re-starting MySQL Community Server 5.7.20

..

\* MySQL Community Server 5.7.20 is started

Step 14 :

root@jenkins:~# **netstat –tulnp**

Active Internet connections (only servers)

Proto Recv-Q Send-Q Local Address Foreign Address State PID/Program name

tcp 0 0 192.168.33.20:3306 0.0.0.0:\* LISTEN 12985/mysqld

tcp 0 0 0.0.0.0:111 0.0.0.0:\* LISTEN 518/rpcbind

Step 15 :

<http://192.168.33.20:9000>

Default User Name : **admin**

Default Password : **admin**