**Sonarqube server Installation**

**NOTE- before starting installing sonarqube we should do swap memory if we r in ec2.micro**

1. Go to /opt folder:

**cd /opt**

1. Install sonarqube by using below commands:

**sudo wget** [**https://binaries.sonarsource.com/Distribution/sonarqube/sonarqube-7.6.zip**](https://apc01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fbinaries.sonarsource.com%2FDistribution%2Fsonarqube%2Fsonarqube-7.6.zip&data=02%7C01%7Cadilabdullah.khan%40hcl.com%7C4a1190cfa346479c8e0008d79a7a3c61%7C189de737c93a4f5a8b686f4ca9941912%7C0%7C0%7C637147722097729914&sdata=t%2FqGi4uVOZeaRi101Y594uN%2FGH2aogbqgm3K85GyZ8c%3D&reserved=0)

Unzip the software:

**sudo unzip sonarqube-7.6.zip**

1. Provide full permissions to sonarqube.7.6.

Run as ec2-user (non root)

**sudo su ec2-user**

**sudo chown -R ec2-user:ec2-user /opt/sonarqube-7.6   [change the owner]**

**sudo chmod 777 -R sonarqube-7.6          [provide access permission]**

**cd /opt/sonarqube-7.6/bin/linux-x86-64**

run **ls** command and check **sonar.sh** should be there

Now run sonar using below command:

**sh sonar.sh start               or            ./sonar.sh start**

check the status using:

**sh sonar.sh status**

Once sonarqube is running successfully then go to

[http://3.134.106.95:9000](https://apc01.safelinks.protection.outlook.com/?url=http%3A%2F%2F3.134.106.95%3A9000%2F&data=02%7C01%7Cadilabdullah.khan%40hcl.com%7C4a1190cfa346479c8e0008d79a7a3c61%7C189de737c93a4f5a8b686f4ca9941912%7C0%7C0%7C637147722097729914&sdata=jyYqlmfPanNnfr%2FWRZMuU67gOP7igjEXMtOzsv%2FCSGY%3D&reserved=0)              [ip is our aws running instance and 9000 is the port]

**Reasons sonarqube is not running properly:**

when we install from the root user. We should be in the non-root user.

Go to logs and check. Below is the path for log:

**cat /opt/sonarqube-7.6/logs/sonar.log | tail -n50**

**Sonarqube Scanner installation:**

1. Install sonarqube scanner using below commands:

**sudo wget** [**https://binaries.sonarsource.com/Distribution/sonar-scanner-cli/sonar-scanner-cli-3.3.0.1492-linux.zip**](https://apc01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fbinaries.sonarsource.com%2FDistribution%2Fsonar-scanner-cli%2Fsonar-scanner-cli-3.3.0.1492-linux.zip&data=02%7C01%7Cadilabdullah.khan%40hcl.com%7C4a1190cfa346479c8e0008d79a7a3c61%7C189de737c93a4f5a8b686f4ca9941912%7C0%7C0%7C637147722097739911&sdata=L9lKr39HHda%2FaBv4yEisuoIVWuiXzcFyKDUhzzwSu%2BU%3D&reserved=0)

**sudo unzip sonar-scanner-cli-3.3.0.1492-linux.zip**

**cd sonar-scanner-3.3.0.1492-linux**

1. Set the path in /etc/environment folder, add below lines:

**vi /etc/environment**

**export SONAR\_SCANNER=/opt/sonar-scanner-3.3.0.1492-linux**

**export PATH=${SONAR\_SCANNER}/bin:${PATH}**

**To configure SonarScanner with Jenkins**:

1. Install “**SonarQube Scanner”** plugin in Jenkins:

**JenkinsManage JenkinsManage Plugins**

1. Configure sonar scanner:

**Manage JenkinsGlobal Tool Configuration**