SonarQube installation & Jenkins Integrations

Step-1

- ➢ **Install Jenkins on one server (t2.large) and install required s/w's to run Jenkins**
- ➢ **Install required plugins for SonarQube in Jenkins(sonarqube scanner, sonarQuality gates, Quality Gates)**

step-2

- ➢ **ManageJenkins ----->tools ------>SonarQubescanner installations------> Name: sonarqube-scanner------->select install automatically**

step-3

- ➢ **In Jenkins---->*Manaage Jenkins*--->system--->SonarQube server**
- ➢ **Name*: "Sonarqube server name"***
- ➢ **URL*: http://public or pvt ip of sonarqube server:hostport***
- ➢ **Server authuentication*: paste token of sonarqube***
- ➢ **Click on add ----> *to create Jenkins crediantials--->select secret text---->paste token of sonarqube---->add***

step-4

pipeline

{

  agent any

  environment {

    // Define SonarQube server details

    SONARQUBE_TOKEN = credentials('sonar') // Assuming you have configured Jenkins credentials

  }

  stages

  {

    stage('cont download')

    {

```
      steps
      {
          git 'https://github.com/sudarshansw7/mymaven.git'
      }
    }
    stage('cont build')
    {
      steps
      {
          sh 'mvn package'
      }
    }
    stage("build & SonarQube analysis") {

      steps {
          withSonarQubeEnv('sonarqube'    // sonarqube installation name//){

              sh "mvn sonar:sonar"            }
        }
      }
    stage("Quality Gate"){

      steps {
          script {
              waitForQualityGate abortPipeline: false, credentialsId: 'sonar' // sonar token name //
          }
        }


      }
  }
}
```