

How to install:

sonarqube architecture

sonar runner / source code / sonar analyzer (pmd,checkstyle,findbugs,squid) / database

Run sonar scanner

```
mvn sonar:sonar -Dsonar.host.url=34.125.215.64:9000  
-Dsonar.login=c4f0086cbe93caeb15d721f7293de20770f8288a
```

Integrate sonar with Jenkins

- Install

Declarative pipeline example:

```
pipeline {  
  agent any  
  stages {  
    stage('SCM') {  
      steps {  
        git url: 'https://github.com/foo/bar.git'  
      }  
    }  
    stage('build && SonarQube analysis') {  
      steps {  
        withSonarQubeEnv('My SonarQube Server') {  
          // Optionally use a Maven environment you've configured already  
          withMaven(maven:'Maven 3.5') {  
            sh 'mvn clean package sonar:sonar'  
          }  
        }  
      }  
    }  
    stage("Quality Gate") {  
      steps {  
        timeout(time: 1, unit: 'HOURS') {  
          // Parameter indicates whether to set pipeline to UNSTABLE if  
Quality Gate fails  
          // true = set pipeline to UNSTABLE, false = don't  
          waitForQualityGate abortPipeline: true  
        }  
      }  
    }  
  }  
}
```

