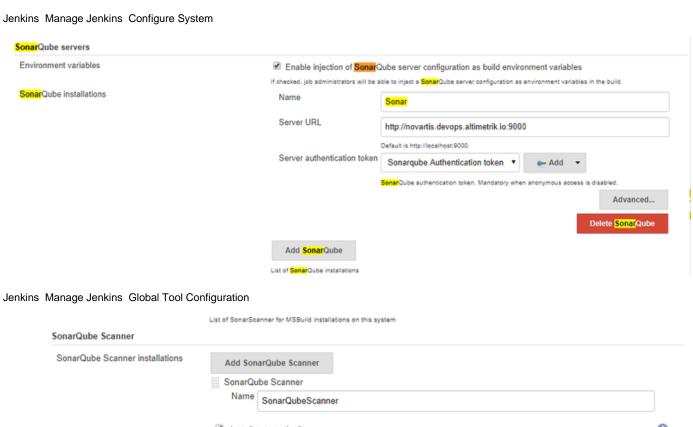
How To - Stop Jenkins Job When Sonar Qualitygate is failed

1. Jenkins Plugins -

Need to install below Jenkins Plugin-

•	Quality Gates Plugin		
	Fails the build whenever the Quality Gates criteria in the Sonar analysis aren't met (the project Quality Gates status is different than "Passed")	2.5	Uninstall

2. Jenkins Configuration -



Install automatically Install from Maven Central Version SonarQube Scanner 4.2.0.1873 ▼ Delete Installe Add Installer Delete SonarQube Scanne Add SonarQube Scanner

3. Jenkinsfile for qualitygates -

Need to include below steps in Jenkinsfile to run Sonar and if sonar qualitygate is failed then Jenkins job will also failed.

```
stage('Sonarqube') {
    environment {
        scannerHome = tool 'SonarQubeScanner'
    }
    steps {
        withSonarQubeEnv('Sonar') {
            sh "${scannerHome}/bin/sonar-scanner"
        }
    }
}

stage("Quality Gate") {
        steps {
            timeout(time: 10, unit: 'MINUTES') {
                  waitForQualityGate abortPipeline: true
        }
    }
}
```

4. sonar-project.properties file addition -

Need to add "sonar-project.properties" file in source code's root folder as below-

```
sonar.projectKey=new_checksonar
#sonar.projectBaseDir=./demo-sonar
sonar.projectName=new_checksonar
sonar.projectVersion=1.0
sonar.sources=./src/main/scala
sonar.language=scala
#sonar.java.binaries=.
##to avoid this exception Caused by:
org.tmatesoft.svn.core.SVNAuthenticationException: svn: E170001
sonar.scm.disabled=True
sonar.sourceEncoding=UTF-8
```

5. SonarQube configuration -

SonarQube Administration Configuration Webhooks

Webhooks

Webhooks

Webhooks are used to notify external services when a project analysis is done. An HTTP POST request including a JSON payload is sent to each of the first ten provided URLs.

Learn more in the Webhooks documentation.

Key: sonar.webhooks.global

Name	URL			
	Server endpoint that will receive the webhook payload, for example 'http://my_server/foo'. If HTTP Basic authentication is used, HTTPS is recommended to avoid man in the middle attacks. Example: 'https://myl.ogin:myPassword@my_server/foo'			
jenkins	http://novartis.devops.altimetrik.io:8084/sonarqube-webhook/	,		
Reset Default: <no value=""></no>				