


# How To - Stop Jenkins Job When Sonar Qualitygate is failed

## 1. Jenkins Plugins -

Need to install below Jenkins Plugin-

	<a href="#">Quality Gates Plugin</a> Fails the build whenever the Quality Gates criteria in the Sonar analysis aren't met (the project Quality Gates status is different than "Passed")	<a href="#">2.5</a>	<a href="#">Uninstall</a>
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## 2. Jenkins Configuration -

Jenkins Manage Jenkins Configure System

**SonarQube servers**

Environment variables

☒ Enable injection of SonarQube server configuration as build environment variables  
If checked, job administrators will be able to inject a SonarQube server configuration as environment variables in the build.

**SonarQube installations**

Name

Sonar

Server URL

http://novartis.devops.altimetrik.io:9000

Default is http://localhost:9000

Server authentication token

Sonarqube Authentication token

[Add](#)

SonarQube authentication token. Mandatory when anonymous access is disabled.

[Advanced...](#)

[Delete SonarQube](#)

[Add SonarQube](#)

List of SonarQube installations


Jenkins Manage Jenkins Global Tool Configuration

List of SonarScanner for MSBuild installations on this system

**SonarQube Scanner**

SonarQube Scanner installations


[Add SonarQube Scanner](#)



Name

SonarQubeScanner

☒ Install automatically



Install from Maven Central

Version SonarQube Scanner 4.2.0.1873

[Delete Installer](#)

[Add Installer](#)

[Delete SonarQube Scanner](#)

[Add SonarQube Scanner](#)

List of SonarQube Scanner installations on this system

## 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
jenkins	http://novartis.devops.altimetrik.io:8084/sonarqube-webhook/

Reset

Default: <no value>

