


# 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

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>