



Swayam Raut
D15B Roll No. 51
Lab Assignment 7

```
PS D:\New folder> docker run -d --name sonarqube -e SONAR_ES_BOOTSTRAP_CHECKS_DISABLE=true -p 9000:9000 sonarqube:latest
```

```
PS D:\New folder> docker run -d --name sonarqube -e SONAR_ES_BOOTSTRAP_CHECKS_DISABLE=true -p 9000:9000 sonarqube:latest
Unable to find image 'sonarqube:latest' locally
latest: Pulling from library/sonarqube
7478e0ac0f23: Downloading [====>] 2.178MB/30.44MB
90a925ab929a: Downloading [=====>] 5.257MB/47.28MB
7d9a34308537: Downloading [=====>] 5.257MB/47.28MB
80338217a4ab: Waiting
1a5fd5c7e184: Waiting
7b87d6fa783d: Waiting
7478e0ac0f23: Downloading [=====>] 8.411MB/30.44MB
90a925ab929a: Download complete
7d9a34308537: Downloading [=====>] 11.97MB/47.28MB
```





Log in to SonarQube

Login *

Password *


[Go back](#)

Log in


1 of 2

Create a local project


Project display name *

Project key *

Main branch name *

The name of your project's default branch [Learn More](#) 

Install	Name ↓	Released
<input checked="" type="checkbox"/>	<div>SonarQube Scanner 2.17.2</div> <div>External Site/Tool Integrations Build Reports</div> <div>This plugin allows an easy integration of SonarQube, the open source platform for Continuous Inspection of code quality.</div>	7 mo 5 days ago
<input type="checkbox"/>	<div>Sonar Quality Gates 315.VII12b_e81a_3a_4</div> <div>Library plugins (for use by other plugins) analysis Other Post-Build Actions</div> <div>Fails the build whenever the Quality Gates criteria in the Sonar 5.6+ analysis aren't met (the project Quality Gates status is different than "Passed")</div>	25 days ago

SonarQube servers

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

☐ Environment variables

SonarQube installations

List of SonarQube installations

Name

sonarqube

Server URL

Default is http://localhost:9000

http://localhost:9000

Server authentication token

SonarQube authentication token. Mandatory when anonymous access is disabled.

- none -

+ Add ▾

Save

Apply

New Item

Enter an item name

SonarQube

Select an item type



Freestyle project

Classic, general-purpose job type that checks out from up to one SCM, executes build steps serially, followed by post-build steps like archiving artifacts and sending email notifications.



Maven project

Build a maven project. Jenkins takes advantage of your POM files and drastically reduces the configuration.



Pipeline

Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.



Multi-configuration project

Suitable for projects that need a large number of different configurations, such as testing on multiple environments, platform-specific builds, etc.



Folder

OK

Source Code Management

☐ None

☒ Git ?

Repositories ?

Repository URL ?

`https://github.com/shazforiot/MSBuild_firstproject.git`

Credentials ?

- none -

+ Add ▼

Advanced ▼

Save

Apply

Build Steps

Execute SonarQube Scanner

JDK ?

JDK to be used for this SonarQube analysis

(Inherit From Job)

Path to project properties ?

Analysis properties ?

```
sonar.projectKey = swayam-test  
sonar.login = admin  
sonar.password = admin1  
sonar.sources = .  
sonar.host.url = http://localhost:9000
```

Additional arguments ?

JVM Options ?

Save

Apply

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Global Permissions

Grant and revoke permissions to make changes at the global level. These permissions include editing Quality Profiles, executing analysis, and performing global system administration.

AllUsersGroups

Search for users or groups...

Administer System

Administer

Execute Analysis

Create

A

Administratoradmin

Quality Gates

Quality Profiles

Projects

1 of 1 shown

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Console Output

[Download](#)[Copy](#)[View as plain text](#)

```
Started by user Swayam Raut
Running as SYSTEM
Building on the built-in node in workspace C:\ProgramData\Jenkins\.jenkins\workspace\SonarQube
The recommended git tool is: NONE
No credentials specified
> git.exe rev-parse --resolve-git-dir C:\ProgramData\Jenkins\.jenkins\workspace\SonarQube\.git # timeout=10
Fetching changes from the remote Git repository
> git.exe config remote.origin.url https://github.com/shazforiot/MSBuild_firstproject.git # timeout=10
Fetching upstream changes from https://github.com/shazforiot/MSBuild_firstproject.git
> git.exe --version # timeout=10
> git --version # 'git version 2.45.2.windows.1'
> git.exe fetch --tags --force --progress -- https://github.com/shazforiot/MSBuild_firstproject.git
+refs/heads/*:refs/remotes/origin/* # timeout=10
Seen branch in repository origin/master
Seen 1 remote branch
> git.exe show-ref --tags -d # timeout=10
Checking out Revision f2bc042c04c6e72427c380bcaee6d6fee7b49adf (origin/master)
> git.exe config core.sparsecheckout # timeout=10
> git.exe checkout -f f2bc042c04c6e72427c380bcaee6d6fee7b49adf # timeout=10
Commit message: "updated"
> git.exe rev-list --no-walk f2bc042c04c6e72427c380bcaee6d6fee7b49adf # timeout=10
Unpacking https://repo1.maven.org/maven2/org/sonarsource/scanner/cli/sonar-scanner-cli/6.2.0.4584/sonar-scanner-cli-6.2.0.4584.zip to C:\ProgramData\Jenkins\.jenkins\tools\udson.plugins.sonar.SonarRunnerInstallation\sonarqube on Jenkins
[SonarQube] $ C:\ProgramData\Jenkins\.jenkins\tools\udson.plugins.sonar.SonarRunnerInstallation\sonarqube\bin\sonar-scanner.bat
```

```
20:48:00.668 INFO Sensor C# File Caching Sensor [csharp] (done) | time=1ms
20:48:00.672 INFO Sensor Zero Coverage Sensor
20:48:00.748 INFO Sensor Zero Coverage Sensor (done) | time=82ms
20:48:00.753 INFO SCM Publisher SCM provider for this project is: git
20:48:00.756 INFO SCM Publisher 4 source files to be analyzed
20:48:02.732 INFO SCM Publisher 4/4 source files have been analyzed (done) | time=1973ms
20:48:02.736 INFO CPD Executor Calculating CPD for 0 files
20:48:02.739 INFO CPD Executor CPD calculation finished (done) | time=0ms
20:48:02.754 INFO SCM revision ID 'f2bc042c04c6e72427c380bcaee6d6fee7b49adf'
20:48:04.160 INFO Analysis report generated in 314ms, dir size=201.0 kB
20:48:04.285 INFO Analysis report compressed in 86ms, zip size=22.2 kB
20:48:06.673 INFO Analysis report uploaded in 2374ms
20:48:06.688 INFO ANALYSIS SUCCESSFUL, you can find the results at: http://localhost:9000/dashboard?id=swayam-test
20:48:06.689 INFO Note that you will be able to access the updated dashboard once the server has processed the submitted analysis report
20:48:06.690 INFO More about the report processing at http://localhost:9000/api/ce/task?id=941ac1cc-19ac-45a3-a656-887de2d6805f
20:48:06.744 INFO Analysis total time: 2:22.044 s
20:48:06.766 INFO SonarScanner Engine completed successfully
20:48:06.951 INFO EXECUTION SUCCESS
20:48:07.092 INFO Total time: 3:31.032s
Finished: SUCCESS
```