

Name:Urvashi Changlani
D15B/08

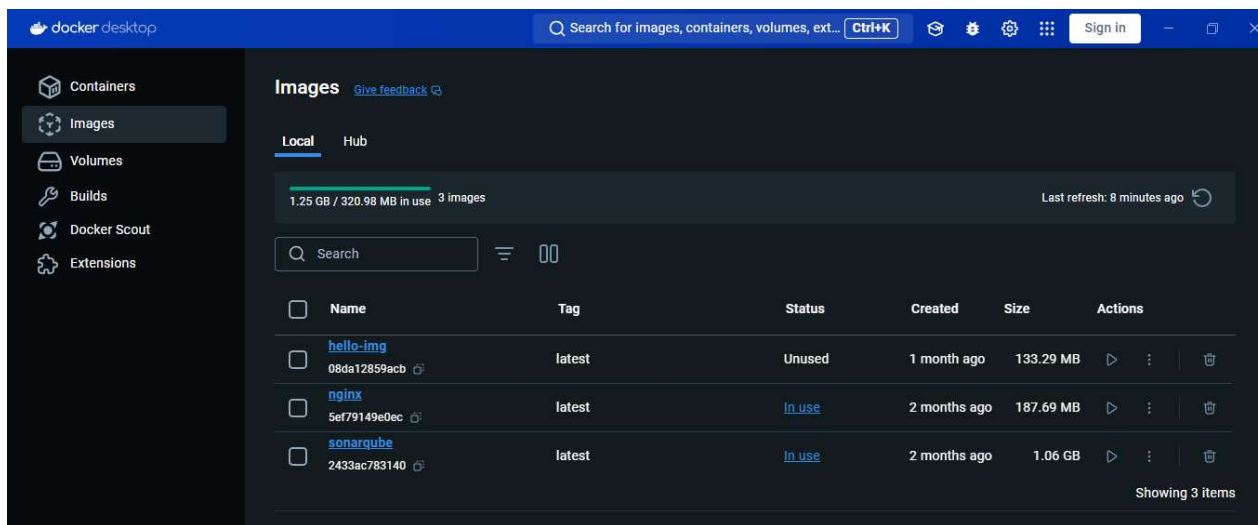
Aim: Installing SonarQube from the Docker Image.

```
$ docker run -d --name sonarqube -e SONAR_ES_BOOTSTRAP_CHECKS_DISABLE=true -p 9000:9000
```

Sonarqube:latest

```
Microsoft Windows [Version 10.0.22631.4169]
(c) Microsoft Corporation. All rights reserved.

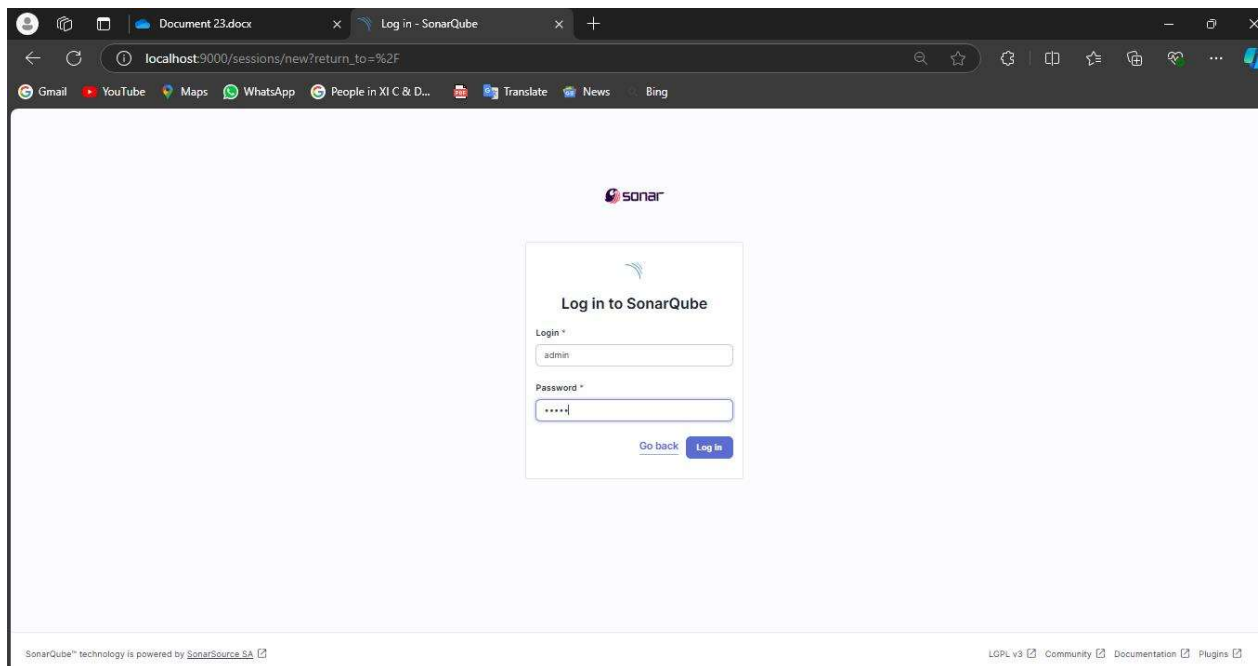
C:\Users\chang>docker run -d --name sonarqube -e SONAR_ES_BOOTSTRAP_CHECKS_DISABLE=true -p 9000:9000 sonarqube:latest
Unable to find image 'sonarqube:latest' locally
latest: Pulling from library/sonarqube
7478e0ac0f23: Pull complete
90a925ab929a: Pull complete
7d9a34308537: Pull complete
80338217a4ab: Pull complete
1a5fd5c7e184: Pull complete
7b87d6fa783d: Pull complete
bd819c9b5ead: Pull complete
4f4fb700ef54: Pull complete
Digest: sha256:72e9feec71242af83faf65f95a40d5e3bb2822a6c3b2cda8568790f3d31aecde
Status: Downloaded newer image for sonarqube:latest
e57ee8abc6ba294857f13beb156652f5631703c15544d42ca3101a640691d496
```



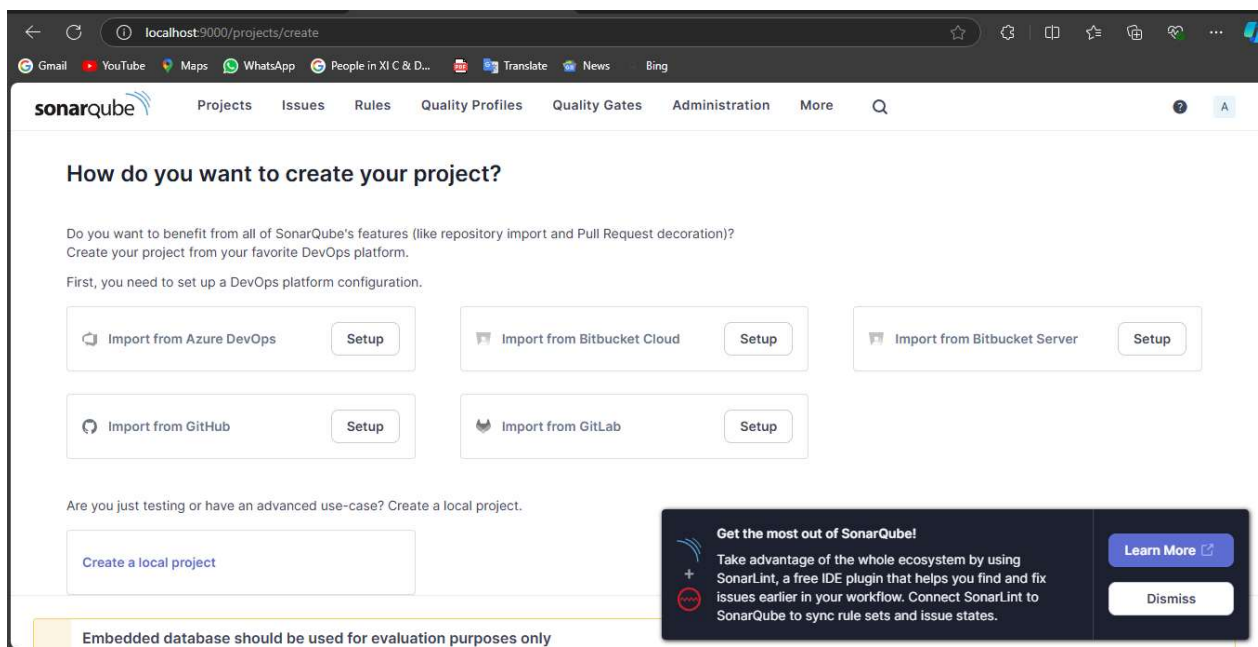
go to the SonarQube page by typing:

http://localhost:9000/ on your browser.

Installation is successful if you see this page



Update New Password



Create project manually:

localhost:9000/projects/create?mode=manual

sonarqube

Projects Issues Rules Quality Profiles Quality Gates Administration More

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Create a local project

Project display name *

AdvDevops-8

Project key *

AdvDevops-8

Main branch name *

main

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

Cancel Next

Embedded database should be used for evaluation purposes only

The embedded database will not scale, it will not support upgrading to newer versions of SonarQube engine.

SonarQube™ technology is powered by [SonarSource SA](#) Community Edition v10.6

Get the most out of SonarQube!

Take advantage of the whole ecosystem by using SonarLint, a free IDE plugin that helps you find and fix issues earlier in your workflow. Connect SonarLint to SonarQube to sync rule sets and issue states.

Learn More

Dismiss

localhost:9000/projects/create?mode=manual&setncd=true

sonarqube

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Set up project for Clean as You Code

The new code definition sets which part of your code will be considered new code. This helps you focus attention on the most recent changes to your project, enabling you to follow the Clean as You Code methodology. Learn more: [Defining New Code](#)

Choose the baseline for new code for this project

☒ Use the global setting

Previous version

Any code that has changed since the previous version is considered new code. Recommended for projects following regular versions or releases.

☐ Define a specific setting for this project

☐ Previous version

Any code that has changed since the previous version is considered new code. Recommended for projects following regular versions or releases.

☐ Number of days

Any code that has changed in the last x days is considered new code. If no action is taken on a new issue after x days, this issue will become part of the overall code. Recommended for projects following continuous delivery.

☐ Reference branch

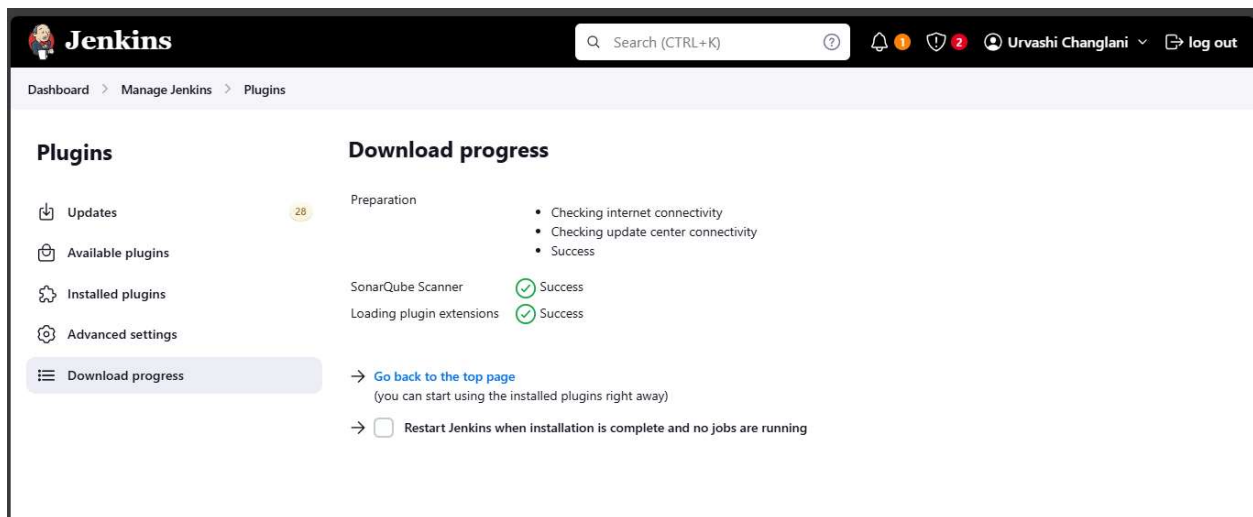
Choose a branch as the baseline for the new code. Recommended for projects using feature branches.

Back Create project

open Jenkins

Go to Dashboard ->Manage Jenkins -> Plugin Manager and search for

SonarQube Scanner under Available plugins for Jenkins and install without restart

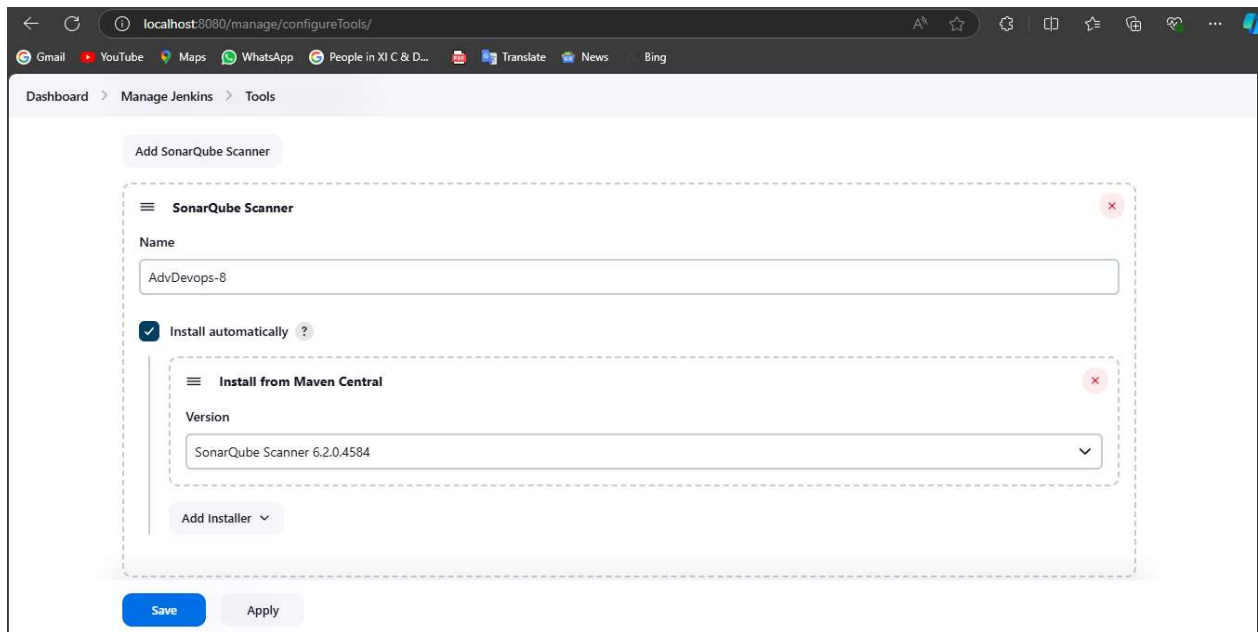


Under Jenkins ,

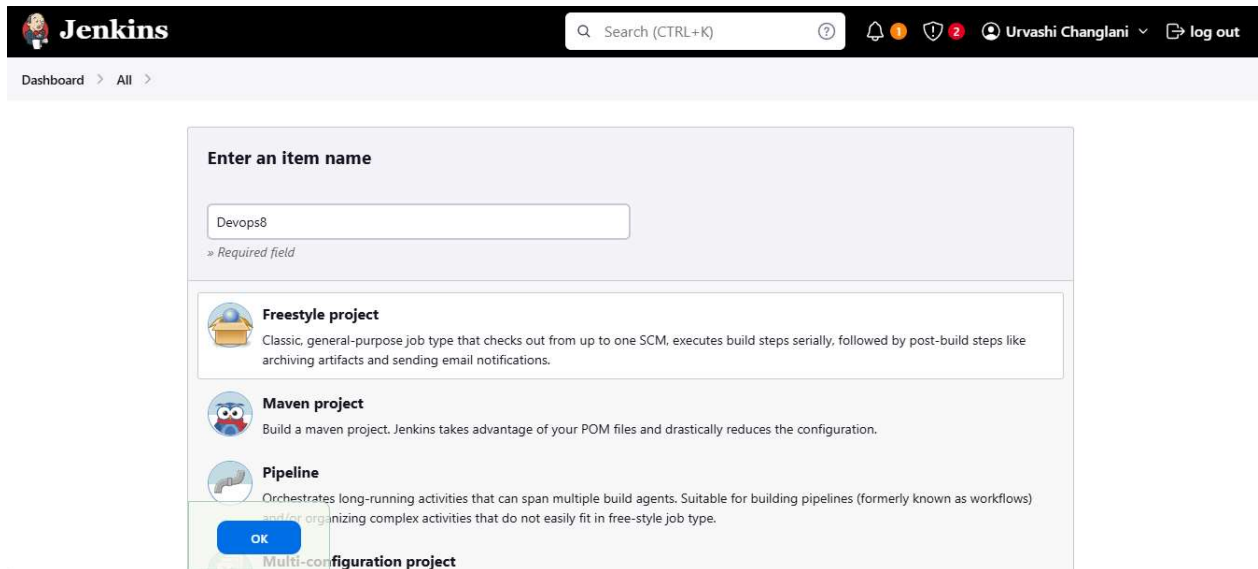
Dashboard -> Manage Jenkins -> Configure System ,

Look for SonarQube Servers and enter the details. Enter the Server Authentication Token if needed.





Create New Item in jenkins , choose freestyle project.



Configure

- General
- Source Code Management
- Build Triggers
- Build Environment
- Build Steps
- Post-build Actions

Git ?

Repositories ?

Repository URL ?

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

Credentials ?

- none -

+ Add

Advanced

Add Repository

Save

Apply

Configure

- General
- Source Code Management
- Build Triggers
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- Post-build Actions

Execute SonarQube Scanner

JDK ?

JDK to be used for this SonarQube analysis

(Inherit From Job)

Path to project properties ?

Analysis properties ?

```
sonar.projectKey=AdvDevops-8
sonar.login=admin
sonar.password=uru3010
sonar.hosturl=http://localhost:9000/
```

Additional arguments ?

Save

Apply

sonarqube

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?

A

☆ AdvDevs-8 / main

OverviewIssuesSecurity HotspotsMeasuresCodeActivityProject SettingsProject Information

System administrators

	sonar-users Every authenticated user automatically belongs to this group	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Anyone DEPRECATED Anybody who browses the application belongs to this group. If authentication is not enforced, assigned permissions also apply to non-authenticated users.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Administrator admin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

4 of 4 shown

Embedded database should be used for evaluation purposes only
The embedded database will not scale, it will not support upgrading to newer versions of SonarQube, and there is no support for migrating your data out of it into a different database

Dashboard > AdvDevsLab7 > #1 > Console Output

Status

</> Changes

Console Output

View as plain text

Edit Build Information

Delete build "1"

Git Build Data

Console Output

Started by user Pranjakta Upadhye

Running as SYSTEM

Building on the built-in node in workspace C:\ProgramData\Jenkins\workspace\AdvDevsLab7

The recommended git tool is: NONE

No credentials specified

Cloning the remote Git repository

Cloning repository https://github.com/PranjaktaUpadhye/H5Build_FirstProject.git

> git.exe init C:\ProgramData\Jenkins\workspace\AdvDevsLab7 # timeout=10

Fetching upstream changes from https://github.com/PranjaktaUpadhye/H5Build_FirstProject.git

> git.exe --version # timeout=10

> git --version # "git version 2.39.2.windows.1"

> git.exe fetch --tags --force --progress -- https://github.com/PranjaktaUpadhye/H5Build_FirstProject.git +refs/heads/*:refs/remotes/origin/* # timeout=10

> git.exe config remote.origin.url https://github.com/PranjaktaUpadhye/H5Build_FirstProject.git # timeout=10

> git.exe config --add remote.origin.fetch refs/heads/*:refs/remotes/origin/* # timeout=10

Avoid second fetch

> git.exe rev-parse "refs/remotes/origin/master:{commit}" # timeout=10

Checking out Revision f2bc042c04c6e72427c380bcce6d6fee7049ad (refs/remotes/origin/master)

> git.exe config core.sparsecheckout # timeout=10

> git.exe checkout -f f2bc042c04c6e72427c380bcce6d6fee7049ad # timeout=10

Commit message: "updated"

First time build. Skipping changelog.

Unpacking https://repo.maven.org/maven2/org/sonarsource/scanner-cli/sonar-scanner-cli/5.0.1.3000/sonar-scanner-cli-5.0.1.3000.zip to

C:\ProgramData\Jenkins\workspace\AdvDevsLab7\sonar-scanner

[AdvDevsLab7] \$ C:\ProgramData\Jenkins\workspace\AdvDevsLab7\sonar-scanner\bin\sonar-scanner.bat -Dsonar.projectKey=AdvDevs -Dsonar.login=admin -Dsonar.hosturl=http://localhost:9000/ -Dsonar.password=abc -Dsonar.projectbaseDir=C:\ProgramData\Jenkins\workspace\AdvDevsLab7

INFO: Scanner configuration file: C:\ProgramData\Jenkins\workspace\AdvDevsLab7\sonar-scanner\bin\conf\sonar-scanner.properties

INFO: Project root configuration file: NONE

INFO: SonarScanner 5.0.1.3000


INFO: Java 18.0.2.1 Oracle Corporation (64-bit)

Quality Gate Status ?

✓

Quality Gate

Passed



Enjoy your sparkling clean code!

Measures

New Code Overall Code

Reliability

0 Bugs

A

Maintainability

0 Code Smells

A

Security

0 Vulnerabilities

A

Security Review

0 Security Hotspots ?

A

Duplications

0.0% Duplications

Duplications

0 Duplicated Blocks