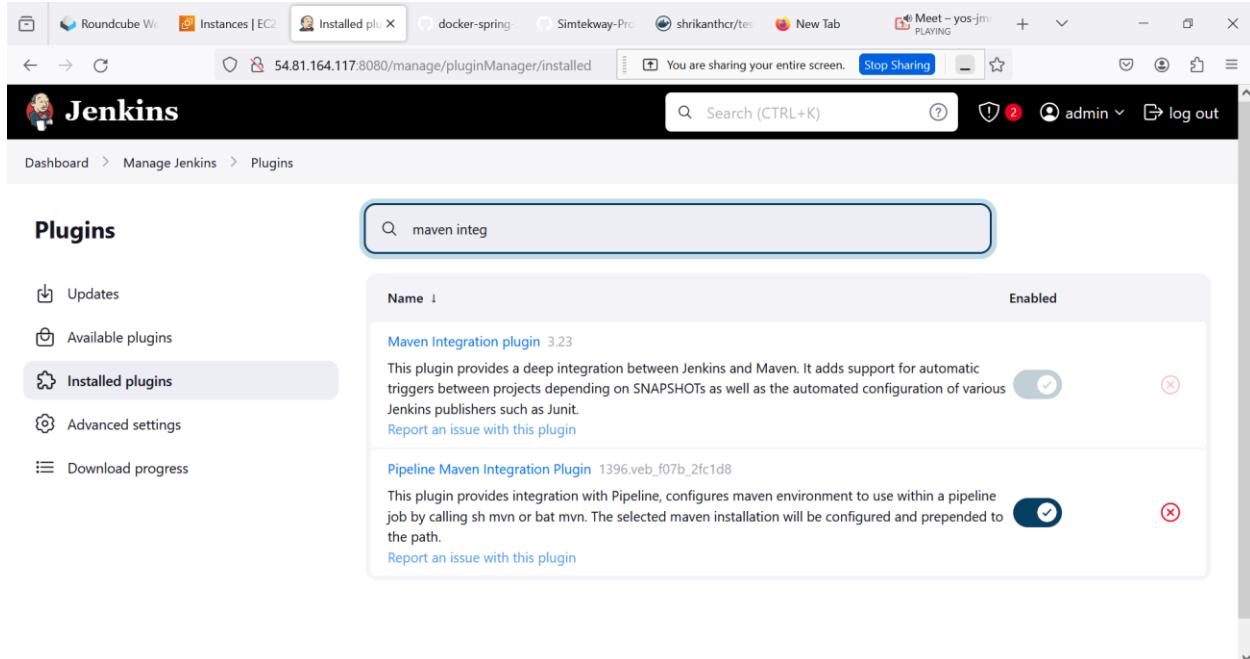


Date:27/03/2024

Prepared By: Shrikanth C R

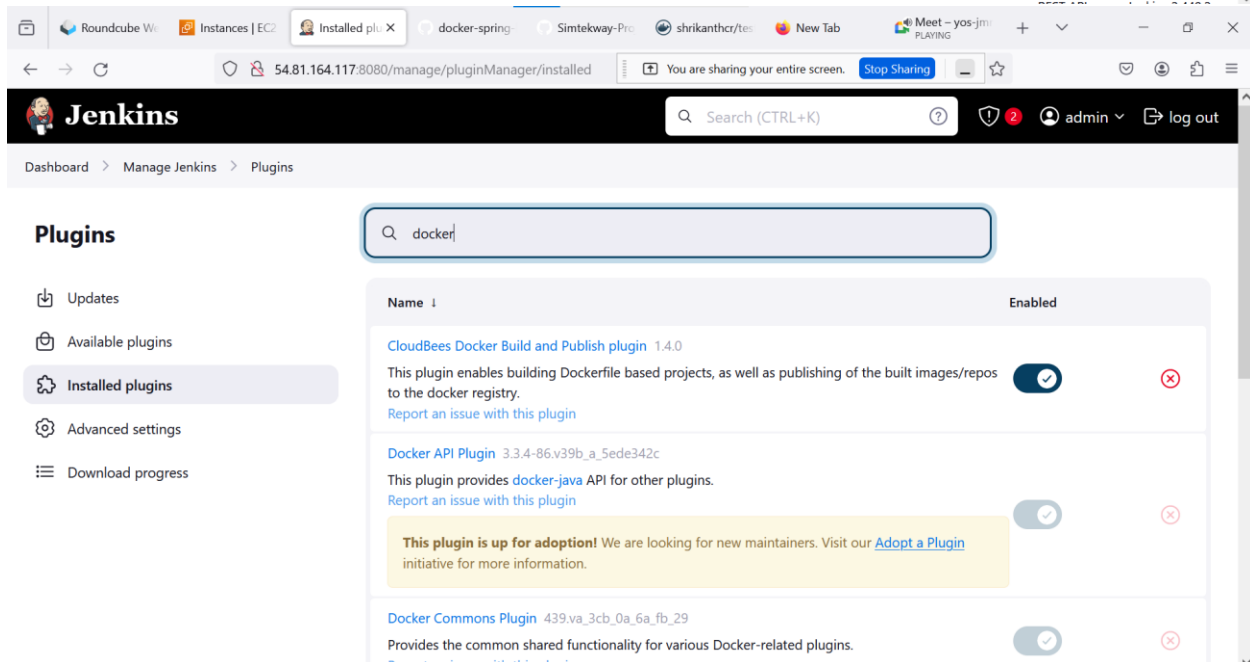
By Using Jenkins Free Style Project

Build & Push the Docker Image to Docker Hub using Jenkins Pipeline



The screenshot shows the Jenkins web interface at the URL `54.81.164.117:8080/manage/pluginManager/installed`. The left sidebar contains navigation links: Updates, Available plugins, Installed plugins (selected), Advanced settings, and Download progress. The main content area is titled 'Plugins' and features a search bar with the text 'maven integ'. Below the search bar, a table lists installed plugins:

Name	Enabled
Maven Integration plugin 3.2.3 This plugin provides a deep integration between Jenkins and Maven. It adds support for automatic triggers between projects depending on SNAPSHOTS as well as the automated configuration of various Jenkins publishers such as Junit. Report an issue with this plugin	<input checked="" type="checkbox"/>
Pipeline Maven Integration Plugin 1396.veb_f07b_2fc1d8 This plugin provides integration with Pipeline, configures maven environment to use within a pipeline job by calling <code>sh mvn</code> or <code>bat mvn</code> . The selected maven installation will be configured and prepended to the path. Report an issue with this plugin	<input checked="" type="checkbox"/>



The screenshot shows the same Jenkins web interface, but the search bar now contains the text 'docker'. The table of installed plugins is updated as follows:

Name	Enabled
CloudBees Docker Build and Publish plugin 1.4.0 This plugin enables building Dockerfile based projects, as well as publishing of the built images/repos to the docker registry. Report an issue with this plugin	<input checked="" type="checkbox"/>
Docker API Plugin 3.3.4-86.v39b_a_5ede342c This plugin provides docker-java API for other plugins. Report an issue with this plugin <div>This plugin is up for adoption! We are looking for new maintainers. Visit our Adopt a Plugin initiative for more information.</div>	<input checked="" type="checkbox"/>
Docker Commons Plugin 439.va_3cb_0a_6a_fb_29 Provides the common shared functionality for various Docker-related plugins. Report an issue with this plugin	<input checked="" type="checkbox"/>

Dashboard > Manage Jenkins > Plugins

Plugins

Updates

Available plugins

Installed plugins

Advanced settings

Download progress

Q docker

This plugin is up for adoption! We are looking for new maintainers. Visit our [Adopt a Plugin](#) initiative for more information.

Docker Commons Plugin 439.va_3cb_0a_6a_fb_29

Provides the common shared functionality for various Docker-related plugins.
[Report an issue with this plugin](#)

Docker Pipeline 572.v950f58993843

Build and use Docker containers from pipelines.
[Report an issue with this plugin](#)

Docker plugin 1.6

This plugin integrates Jenkins with Docker
[Report an issue with this plugin](#)

docker-build-step 2.11

This plugin allows to add various docker commands to your job as build steps.
[Report an issue with this plugin](#)

Warning: The currently installed plugin version may not be safe to use. Please review the following security notices:

Roundcube Webmail

Instances | EC2

Installed plugins

docker-spring

Simtekway-Pro

shrikanthcr/tes

New Tab

Meet - yos-jim

54.81.164.117:8080/manage/pluginManager/installed

You are sharing your entire screen. Stop Sharing

Jenkins

Search (CTRL+K)

admin

log out

Dashboard > Manage Jenkins > Plugins

Plugins

Updates

Available plugins

Installed plugins

Advanced settings

Download progress

Q open

Name	Enabled
<div>Eclipse Temurin installer Plugin 1.5</div> <div>Provides an installer for the JDK tool that downloads the JDK from https://adoptium.net Report an issue with this plugin</div> <div><div></div><div></div></div>	<div></div> <div></div>
<div>openJDK-native-plugin 1.8</div> <div>Report an issue with this plugin</div> <div><div></div><div></div></div>	<div></div> <div></div>

REST API Jenkins 2.440.2

JDK installations

JDK installations ^ Edited

Add JDK

≡ JDK

Name

OpenJDK17

☒ Install automatically ?

≡ Install from adoptium.net ?

Add JDK

≡ JDK

Name

OpenJDK17

☒ Install automatically ?

≡ Install from adoptium.net ?

Version ?

jdk-17.0.10+7

Add Installer

Maven installations

Maven installations ^ Edited

Add Maven

Maven

Name

maven

☒ Install automatically ?

Install from Apache

Version

Add Maven

Maven

Name

maven

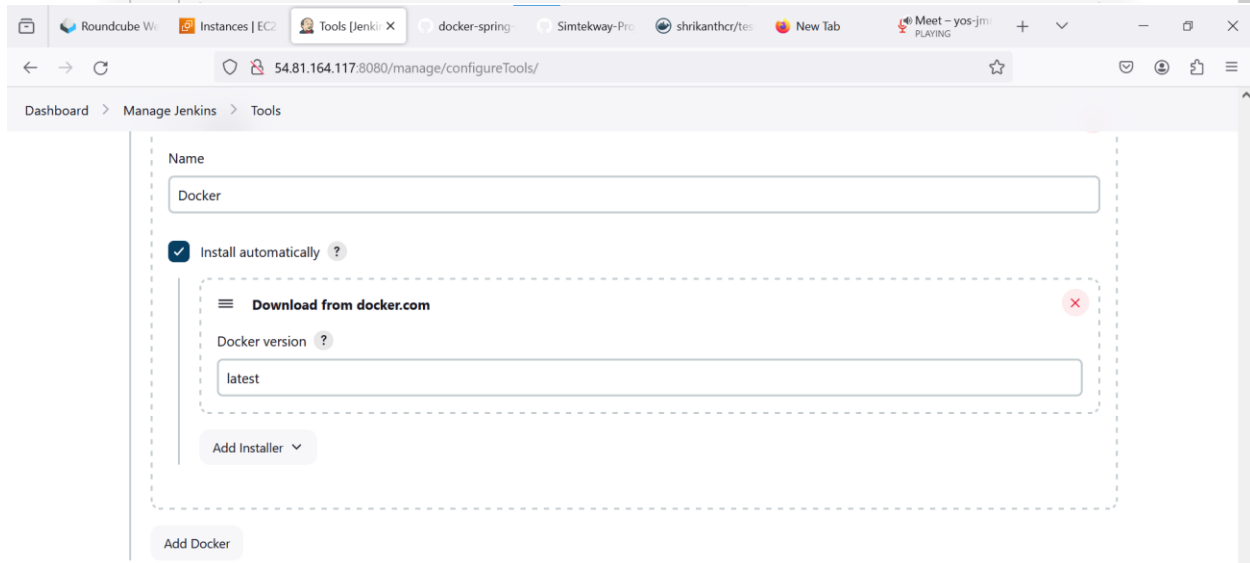
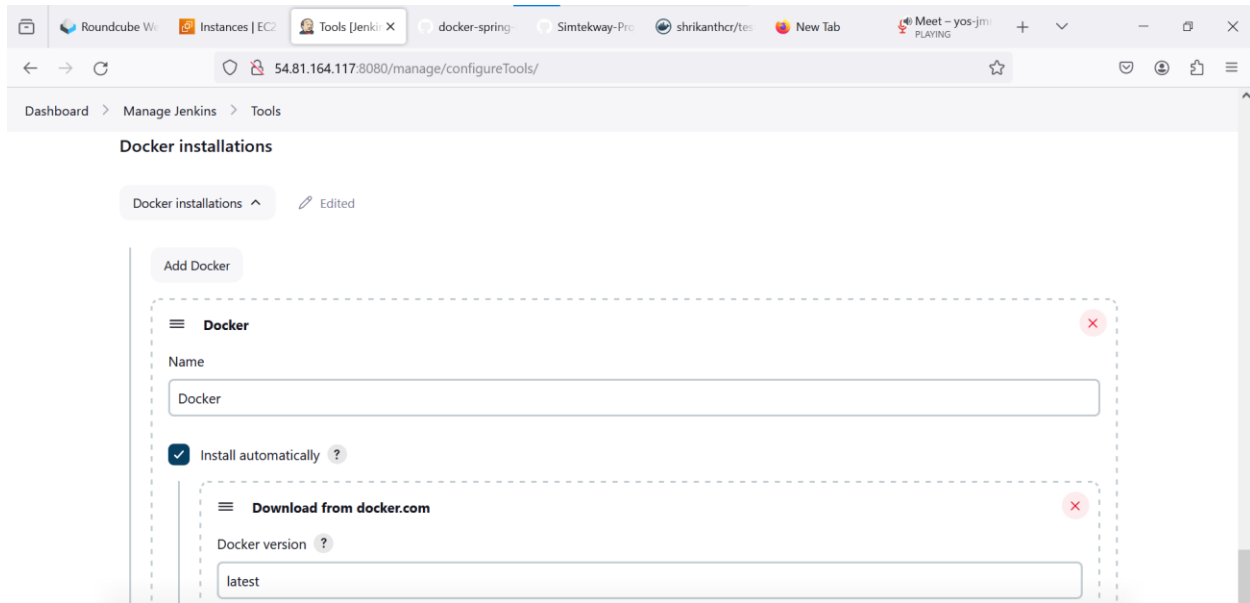
☒ Install automatically ?

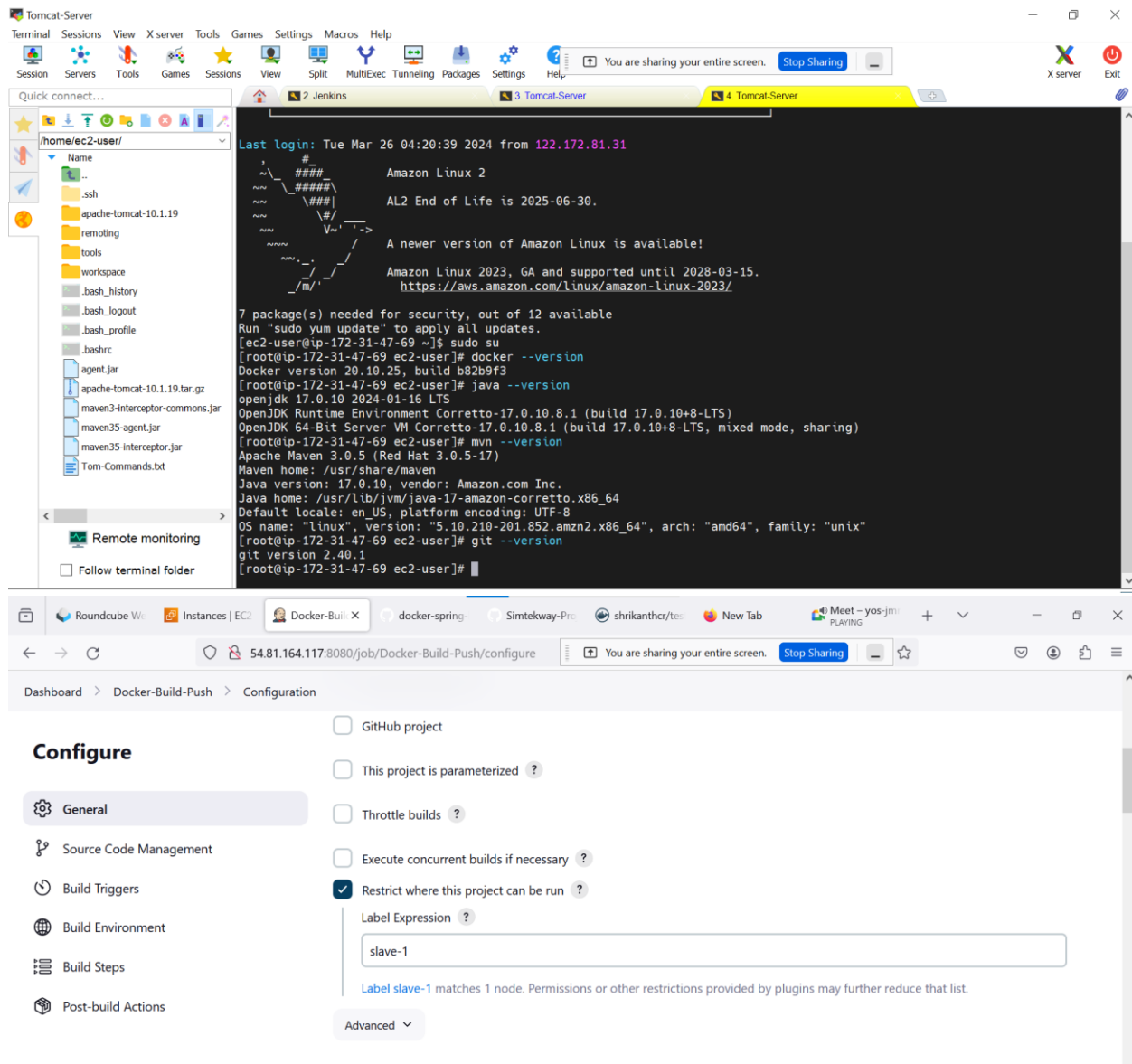
Install from Apache

Version

3.8.6

Add Installer





Dashboard > Docker-Build-Push > Configuration

Configure

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

Git ?

Repositories ?

Repository URL ?

https://github.com/shrikanthcr/Simtekway-Projects.git

Credentials ?

- none -

+ Add

Advanced

Add Repository

Dashboard > Docker-Build-Push > Configuration

Configure

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

Branch Specifier (blank for 'any') ?

*/main

Add Branch

Repository browser ?

(Auto)

Additional Behaviours

Add

Dashboard > Docker-Build-Push > Configuration

Configure

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

Advanced ▾

Add build step ▴

Filter

Add a new template to all docker clouds

Build / Publish Docker Image

Docker Build and Publish

Execute Docker command

Execute Windows batch command

Execute shell

Invoke Ant

Invoke Gradle script

Invoke top-level Maven targets

Provide Configuration files

Run with timeout

Set build status to "pending" on GitHub commit

Start/Stop Docker Containers

REST API Jenkins 2.440.2

Dashboard > Docker-Build-Push > Configuration

Configure

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

Build Steps

Invoke top-level Maven targets ?

Maven Version

maven

Goals

install

Advanced ▾

Dashboard > Docker-Build-Push > Configuration

Configure

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

shrikanthcr/*****

+ Add ▾

Advanced ▾

Add build step ^

Filter

Add a new template to all docker clouds

Build / Publish Docker Image

Docker Build and Publish

Execute Docker command

Execute Windows batch command

Execute shell

Invoke Ant

Invoke Gradle script

Invoke top-level Maven targets

REST API Jenkins 2.440.2

Dashboard > Docker-Build-Push > Configuration

Configure

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

install

Advanced ▾

Docker Build and Publish ?

Repository Name ?

shrikanthcr/testrepo

Tag

\$(BUILD_NUMBER)

Docker Host URI ?

Server credentials

Dashboard > Docker-Build-Push > Configuration

Configure

General

Source Code Management

Build Triggers

Build Environment

Build Steps

Post-build Actions

shrikanthcr/*****

+ Add

Advanced

Add build step

Post-build Actions

Add post-build action

Save

Apply

Dashboard > Docker-Build-Push >

Build Now

Configure

Delete Project

Rename

Permalinks

Last build (#3 shrikanthcr/testrepo:3 shrikanthcr/testrepo:latest), 7 min 11 sec ago

Last stable build (#3 shrikanthcr/testrepo:3 shrikanthcr/testrepo:latest), 7 min 11 sec ago

Last successful build (#3 shrikanthcr/testrepo:3 shrikanthcr/testrepo:latest), 7 min 11 sec ago

Last completed build (#3 shrikanthcr/testrepo:3 shrikanthcr/testrepo:latest), 7 min 11 sec ago

Build History

trend

Filter...

#3 shrikanthcr/testrepo:3 shrikanthcr/testrepo:latest

Mar 26, 2024, 4:42 AM

#2 shrikanthcr/testrepo:2 shrikanthcr/testrepo:latest

Mar 26, 2024, 4:37 AM

#1

Mar 26, 2024, 4:32 AM

Atom feed for all

Atom feed for failures

Roundcube Webmail

Instances | EC2

Docker-Build-F

docker-spring

Simtekway-Pro

shrikanthcr/ X

New Tab

Meet – yos-jm

PLAYING

←

→

↺

🔒

📄

🔗

https://hub.docker.com/repository/docker/shrikanthcr/testrepo/general

☆

🔔

👤

📄

☰

dockerhub

Explore

Repositories

Organizations

🔍

Search Docker Hub

ctrl+K

?

☰

S

shrikanthcr / Repositories / testrepo / General

Using 0 of 1 private repositories. [Get more](#)

General

Tags

Builds

Collaborators

Webhooks

Settings

📘

Add a short description for this repository

Update

The short description is used to index your content on Docker Hub and in search engines. It's visible to users in search results.

shrikanthcr/testrepo

🌐

Updated 1 minute ago

This repository does not have a description ✎

Docker commands

Public View

To push a new tag to this repository:

docker push shrikanthcr/testrepo:tagname

Tags

This repository contains 3 tag(s).

Tag	OS	Type	Pulled	Pushed
3	🐳	Image	---	2 minutes ago

Automated Builds

Manually pushing images to Hub? Connect your account to GitHub or Bitbucket to automatically build and tag new images whenever your code is updated, so you can focus your time on creating.

Available with Pro, Team and Business subscriptions. [Read more](#)

Tags

This repository contains 3 tag(s).

Tag	OS	Type	Pulled	Pushed
3	🐳	Image	---	2 minutes ago
latest	🐳	Image	---	2 minutes ago
2	🐳	Image	---	7 minutes ago

[See all](#)

Automated Builds

Manually pushing images to Hub? Connect your account to GitHub or Bitbucket to automatically build and tag new images whenever your code is updated, so you can focus your time on creating.

Available with Pro, Team and Business subscriptions. [Read more about automated builds](#)

Upgrade

Repository overview

📘

An overview describes what your image does and how to run it. It displays in [the public view of your repository](#).

Add overview