

Experiment no.-4

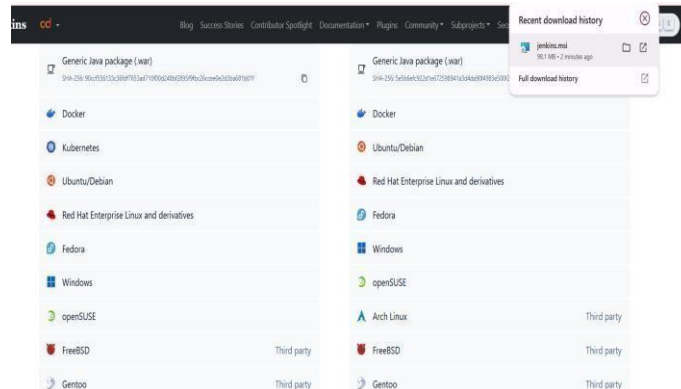
Name: Prathamesh Waghvade

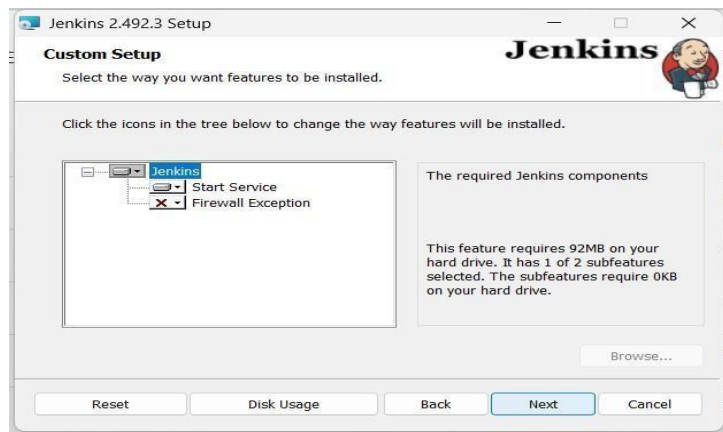
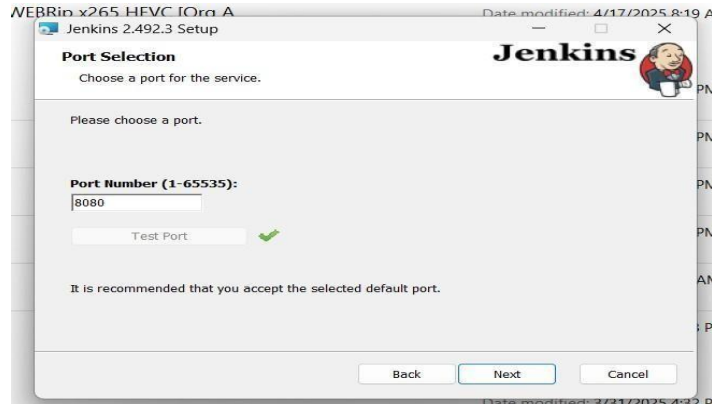
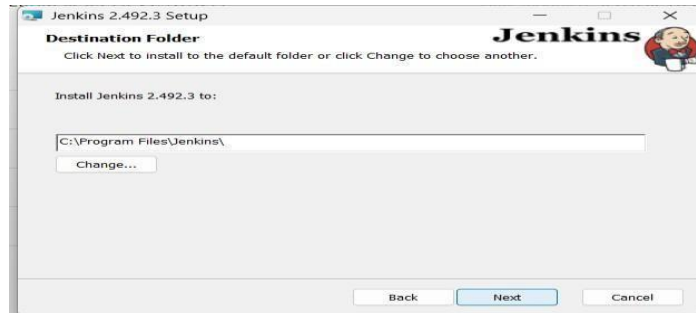
Roll No:- 136

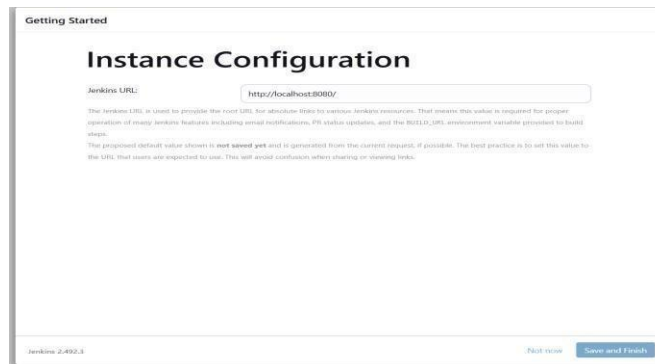
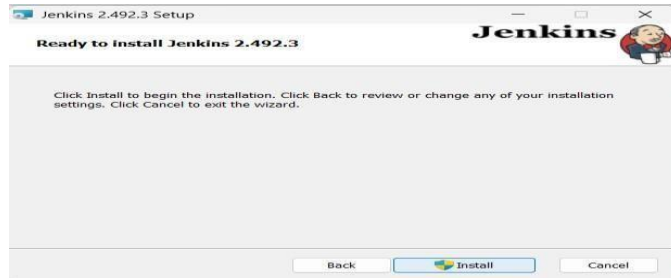
Batch:- A6

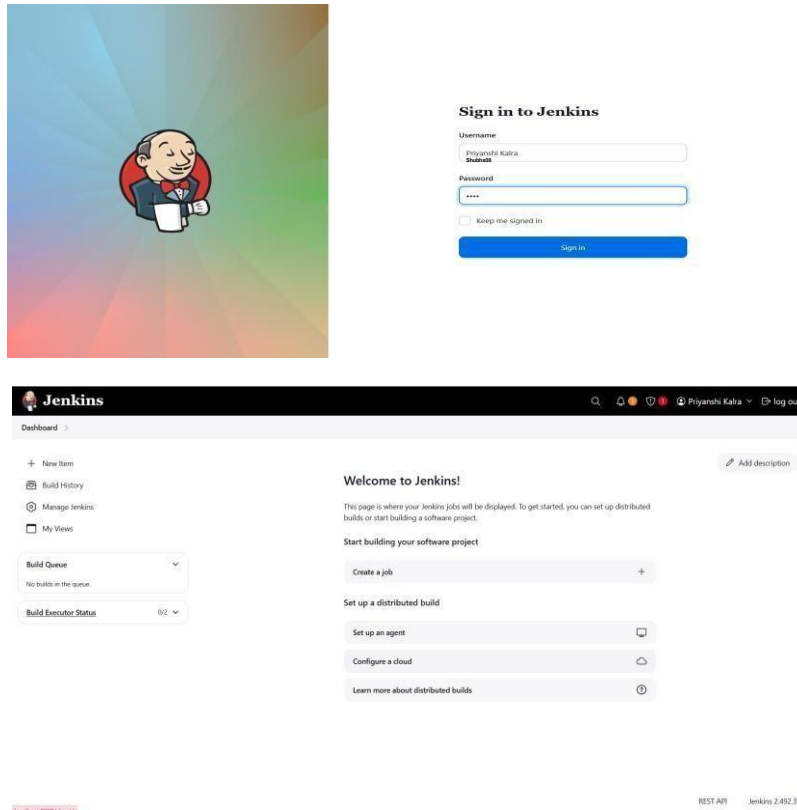
Steps:

Install Jenkins and configure it using the setup wizard

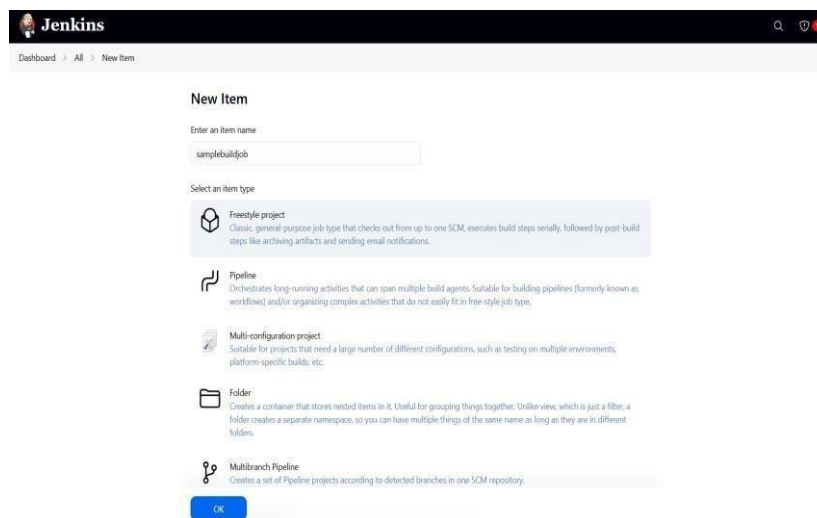








Create a new freestyle project



Configure

General

Source Code Management

Triggers

Environment

Build Steps

Post-build Actions

Environment

Configure settings and variables that define the context in which your build runs, like credentials, paths, and global parameters.

☐ Delete workspace before build starts

☐ Use secret text(s) on file(s) ?

☐ Add timestamps to the Console Output

☐ Inspect build log for published build scans

☐ Terminate a build if it's stuck

☐ With Ant ?

Build Steps

Automate your build process with ordered tasks like code compilation, testing, and deployment.

Add build step +

Filter

Execute Windows batch command

Execute shell

Invoke Ant

Invoke Gradle script

Invoke top-level Maven targets

Run with timeout

Set build status to "pending" on GitHub commit

REST API Jenkins 2.504.1

Dashboard > samplebuildjob > Configuration

Configure

General

Source Code Management

Triggers

Environment

Build Steps

Post-build Actions

Environment

☐ Inspect build log for published build scans

☐ Terminate a build if it's stuck

☐ With Ant ?

Build Steps

Automate your build process with ordered tasks like code compilation, testing, and deployment.

Execute shell ?

Command

See the list of available environment variables

echo -n " build process successfully done..."

Advanced +

Add build step +

Post-build Actions

Save

Apply

Dashboard > All > New Item

New Item

Enter an item name

sampledeployjob

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.

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

Creates a container that stores nested items in it. Useful for grouping things together. Unlike view, which is just a filter, a folder creates a separate namespace, so you can have multiple things of the same name as long as they are in different folders.

Multibranch Pipeline

Creates a set of Pipeline projects according to detected branches in one SCM repository.

OK

Dashboard > sampledeployjob > Configuration

Configure

General

Source Code Management

Triggers

Environment

Build Steps

Post-build Actions

Environment

☐ Add timestamps to the Console Output

☐ Inspect build log for published build scans

☐ Terminate a build if it's stuck

☐ With Ant ?

Build Steps

Automate your build process with ordered tasks like code compilation, testing, and deployment.

Execute shell ?

Command

See the list of available environment variables

echo "Deploy job successfully executed..."

Advanced +

Add build step +

Save

Apply

Dashboard > All > New Item

New Item

Enter an item name

sampletestjob

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.

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.

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

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Multibranch Pipeline

Creates a set of Pipeline projects according to detected branches in one SCM repository.

OK

Dashboard > sampletestjob > Configuration

Configure

General

Source Code Management

Triggers

Environment

Build Steps

Post-build Actions

Configure settings and variables that define the context in which your build runs, like credentials, paths, and global parameters.

☐ Delete workspace before build starts

☐ Use secret text(s) or file(s) ?

☐ Add timestamps to the Console Output

☐ Inspect build log for published build scans

☐ Terminate a build if it's stuck

☐ With Art ?

Build Steps

Automate your build process with ordered tasks like code compilation, testing, and deployment.

Execute shell ?

Command

See the list of available environment variables

echo "Test: job successfully executed..."

Advanced

Save Apply

Dashboard > All > New Item

New Item

Enter an item name

sampletestjob

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.

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Creates a set of Pipeline projects according to detected branches in one SCM repository.

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Dashboard > sampletestjob > Configuration

Configure

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Build Steps

Post-build Actions

Configure settings and variables that define the context in which your build runs, like credentials, paths, and global parameters.

☐ Delete workspace before build starts

☐ Use secret text(s) or file(s) ?

☐ Add timestamps to the Console Output

☐ Inspect build log for published build scans

☐ Terminate a build if it's stuck

☐ With Art ?

Build Steps

Automate your build process with ordered tasks like code compilation, testing, and deployment.

Execute shell ?

Command

See the list of available environment variables

echo "release: job successfully executed..."

Advanced

Save Apply

Build jobs:-

The image shows two screenshots of the Jenkins web interface. The top screenshot displays the 'Dashboard' view with a table of build jobs. The bottom screenshot shows the 'Configuration' page for a specific build job.

Dashboard View:

S	W	Name	Last Success	Last Failure	Last Duration
		samplebuildjob	N/A	N/A	N/A
		samplebuildjob	N/A	N/A	N/A
		samplebuildjob	N/A	N/A	N/A
		samplebuildjob	N/A	N/A	N/A

Configuration View (samplebuildjob):

Configure

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

Triggers

Set up automated actions that start your build based on specific events, like code changes or scheduled times.

☒ Build after other projects are built

Projects to watch

samplebuildjob

☒ Trigger only if build is stable

☐ Trigger even if the build is unstable

☐ Trigger even if the build fails

☐ Always trigger, even if the build is aborted

☐ Build periodically

☐ GitHub hook trigger for GITSCM polling

☐ Poll SCM

Environment

Configure settings and variables that define the context in which your build runs, like credentials, paths, and global parameters.

☐ Delete workspace before build starts

☐ Use secret text(s) or file(s)

Save **Apply**

Dashboard >

+ New Item Add description

Build History

Manager Jenkins:

Build Queue: No builds in the queue

Build Executor Status: 0/2

S	W	Name	Last Success	Last Failure	Last Duration
		samplebuildjob	N/A	N/A	N/A
		sampledeployjob	N/A	N/A	N/A
		sampletestjob	N/A	N/A	N/A
		sampletestjob	N/A	N/A	N/A

Item: S M L

location: /sampletestjob/sampletestjob/configure

REST API: Jenkins 2.504.1

Dashboard > sampletestjob > Configuration

Configure

General

Source Code Management

Triggers

Build after other projects are built

Projects to watch: sampletestjob

Trigger only if build is stable

Trigger even if the build is unstable

Trigger even if the build fails

Always trigger, even if the build is aborted

Build periodically

GitHub hook trigger for GITSCM polling

Poll SCM

Environment

Configure settings and variables that define the context in which your build runs, like credentials, paths, and global parameters.

Delete workspace before build starts

Use secret text(s) or file(s)

Save Apply

Select configure and build trigger section:-

Dashboard > samplebuildjob >

samplebuildjob Add description

Status

Changes

Workspace

Build Now

Configure

Delete Project

Rename

Builds

No builds

Downstream Projects

sampledeployjob

Permalinks

Last build (#19), 55 sec ago

Last stable build (#19), 55 sec ago

Last successful build (#19), 55 sec ago

Last completed build (#19), 55 sec ago

Builds

Filter

Today

#20 3:01 PM

Dashboard > sampledeployjob >

Status

Changes

Workspace

Build Now

Configure

Delete Project

Rename

Builds

Today

#2 3:01 PM

#1 2:54 PM

sampledeployjob

Upstream Projects

samplebuildjob

Downstream Projects

sampletestjob

Permalinks

Build scheduled

Dashboard > sampletestjob >

Status

Changes

Workspace

Build Now

Configure

Delete Project

Rename

Builds

Today

#4 3:03 PM

#3 3:02 PM

#2 3:02 PM

#1 2:54 PM

sampletestjob

Upstream Projects

sampledeployjob

Downstream Projects

samplereleasejob

Permalinks

Build scheduled

Dashboard > samplereleasejob >

Status

Changes

Workspace

Build Now

Configure

Delete Project

Rename

Builds

Today

#4 3:03 PM

#3 3:02 PM

#2 3:02 PM

#1 2:54 PM

samplereleasejob

Upstream Projects

sampletestjob

Permalinks

Build scheduled

Dashboard >

+ New Item

Build History

Manage Jenkins

Build Queue

No builds in the queue

Build Executor Status

0/2


All +

S	W	Name	Last Success	Last Failure	Last Duration	
🟢	🌟	samplebuildjob	2 min 11 sec #100	N/A	0.36 sec	▶
🟢	🌟	sampledeployjob	1 min 19 sec #3	N/A	0.22 sec	▶
🟢	🌟	samplereleasejob	31 sec #5	N/A	0.2 sec	▶
🟢	🌟	sampletestjob	49 sec #4	N/A	0.21 sec	▶

Icon: S M L


Add description


Configure the git as a source and add a build step to run a script

 **Jenkins**

Dashboard > New view

+ New Item

 Build History

 Manage Jenkins

Build Queue

No builds in the queue.

Build Executor Status

0/2

New view

Name

test build

Type

☒ Build Pipeline View

Shows the jobs in a build pipeline view. The complete pipeline of jobs that a version propagates through are shown as a row in the view.

☐ List View

Shows items in a simple list format. You can choose which jobs are to be displayed in which view.

Create

Dashboard > test build > Edit View

Pipeline Flow

Layout

Based on upstream/downstream relationship

This layout mode derives the pipeline structure based on the upstream/downstream trigger relationship between jobs. This is the only out-of-the-box supported layout mode, but is open for extension.

Upstream / downstream config

Select Initial Job ?

samplebuildjob

Dashboard > test build > Edit View

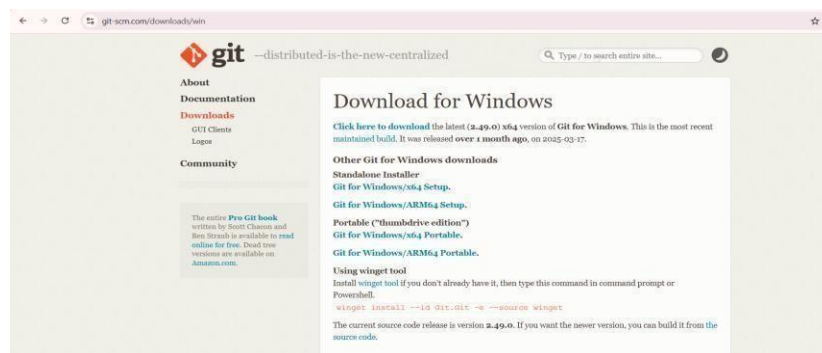
Display Options

No Of Displayed Builds ?

5



Git install:-



```
Microsoft Windows [Version 10.0.26100.3915]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Shubhs>git --version
git version 2.48.1.windows.1

C:\Users\Shubhs>
```

Dashboard > Manage Jenkins > Tools

Default settings provider

Use default maven settings

Default global settings provider

Use default maven global settings

JDK installations

Add JDK

Git installations

Git

Name

Default

Path to Git executable

C:\Program Files\Git\bin\git.exe

☐ Install automatically

Save Apply

Create new item, pipeline, git, new repository url, credentials and add to jenkins:

Dashboard > All > New Item

New Item

Enter an item name

MyPipeline

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.
- 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**
Creates a container that stores nested items in it. Useful for grouping things together. Unlike view, which is just a filter, a folder creates a separate namespace, so you can have multiple things of the same name as long as they are in different folders.
- Multibranch Pipeline**
Creates a set of Pipeline projects according to detected branches in one SCM repository.

OK

pratyashika718 / repo_jenkins

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

repo_jenkins Public

main 1 Branch 0 Tags

Go to file

Add File Code

About

No description, website, or topics provided

Readme

Activity

0 stars

1 watching

0 forks

Releases

No releases published

Create a new release

Packages

No packages published

Publish your first package

repo_jenkins

Configure

General

Source Code Management

Triggers

Environment

Build Steps

Post-build Actions

Git

Repositories

Repository URL

https://github.com/Shashank8-cs/vrepo_jenkins.git

Credentials

jenkins_training

+ Add

Advanced

Add Repository

Branches to build

Branch Specifier (blank for 'any')

* /main

Add Branch

