

SBL DEVOPS – EXP1

```
202-PC-06+Admin@202-PC-06 MINGW64 ~
$ git config --global user.name "B1email2022"

202-PC-06+Admin@202-PC-06 MINGW64 ~
$ git config --global user.email "b1email2022@gmail.com"

202-PC-06+Admin@202-PC-06 MINGW64 ~
$ git config --list
diff.astextplain.textconv=astextplain
filter.lfs.clean=git-lfs clean -- %f
filter.lfs.smudge=git-lfs smudge -- %f
filter.lfs.process=git-lfs filter-process
filter.lfs.required=true
http.sslbackend=openssl
http.sslcainfo=C:/Program Files/Git/mingw64/etc/ssl/certs/ca-bundle.crt
core.autocrlf=true
core.fscache=true
core.symlinks=false
pull.rebase=false
credential.helper=manager
credential.https://dev.azure.com.usehttppath=true
init.defaultbranch=master
user.name=B1email2022
user.email=b1email2022@gmail.com

202-PC-06+Admin@202-PC-06 MINGW64 ~
$ cd Desktop/

202-PC-06+Admin@202-PC-06 MINGW64 ~/Desktop
$ mkdir b1project

202-PC-06+Admin@202-PC-06 MINGW64 ~/Desktop
$ cd b1project/

202-PC-06+Admin@202-PC-06 MINGW64 ~/Desktop/b1project
$ git init
Initialized empty Git repository in C:/Users/Admin/Desktop/b1project/.git/

202-PC-06+Admin@202-PC-06 MINGW64 ~/Desktop/b1project (master)
$ git clone https://github.com/GunjanPatil111/SBEL_DB.git
Cloning into 'SBEL_DB'...
remote: Enumerating objects: 107, done.
remote: Counting objects: 100% (107/107), done.
remote: Compressing objects: 100% (104/104), done.
remote: Total 107 (delta 8), reused 10 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (107/107), 56.03 MiB | 17.15 MiB/s, done.
Resolving deltas: 100% (8/8), done.
```

```
202-PC-06+Admin@202-PC-06 MINGW64 ~/Desktop/b1project (master)
$ git add .
warning: adding embedded git repository: SBEL_DB
hint: You've added another git repository inside your current repository.
hint: Clones of the outer repository will not contain the contents of
hint: the embedded repository and will not know how to obtain it.
hint: If you meant to add a submodule, use:
hint:
hint:   git submodule add <url> SBEL_DB
hint:
hint: If you added this path by mistake, you can remove it from the
hint: index with:
hint:
hint:   git rm --cached SBEL_DB
hint:
hint: See "git help submodule" for more information.

202-PC-06+Admin@202-PC-06 MINGW64 ~/Desktop/b1project (master)
$ git commit -m "Initial commit"
[master (root-commit) 7599030] Initial commit
 1 file changed, 1 insertion(+)
 create mode 160000 SBEL_DB

202-PC-06+Admin@202-PC-06 MINGW64 ~/Desktop/b1project (master)
$ git status
On branch master
nothing to commit, working tree clean
```

```
202-PC-06+Admin@202-PC-06 MINGW64 ~/Desktop/b1project (master)
$ git branch test

202-PC-06+Admin@202-PC-06 MINGW64 ~/Desktop/b1project (master)
$ git branch -a
* master
  test

202-PC-06+Admin@202-PC-06 MINGW64 ~/Desktop/b1project (master)
$ git checkout -b test
fatal: a branch named 'test' already exists

202-PC-06+Admin@202-PC-06 MINGW64 ~/Desktop/b1project (master)
$ git checkout -b test2
Switched to a new branch 'test2'

202-PC-06+Admin@202-PC-06 MINGW64 ~/Desktop/b1project (test2)
$ git merge test
Already up to date.

202-PC-06+Admin@202-PC-06 MINGW64 ~/Desktop/b1project (test2)
$ git log
commit 7599030ce0d0e42dc3d85cb0faf6a3db50b968c (HEAD -> test2, test, master)
Author: Biemail2022 <b1email2022@gmail.com>
```

```
202-PC-06+Admin@202-PC-06 MINGW64 ~/Desktop/b1project (test2)
$ git reflog
7599030 (HEAD -> test2, test, master) HEAD@{0}: checkout: moving from master to test2
7599030 (HEAD -> test2, test, master) HEAD@{1}: reset: moving to HEAD
7599030 (HEAD -> test2, test, master) HEAD@{2}: commit (initial): Initial commit
```

SBL EXP 2

```
PS C:\Users\Admin> cd .\Desktop\
PS C:\Users\Admin\Desktop> git
usage: git [-v | --version] [-h | --help] [-C <path>] [-c <name>=<value>]
           [--exec-path[=<path>]] [--html-path] [--man-path] [--info-path]
           [-p | --paginate | -P | --no-pager] [--no-replace-objects] [--no-lazy-fetch]
           [--no-optional-locks] [--no-advice] [--bare] [--git-dir=<path>]
           [--work-tree=<path>] [--namespace=<name>] [--config-env=<name>=<envvar>]
           <command> [<args>]

These are common Git commands used in various situations:

start a working area (see also: git help tutorial)
  clone      Clone a repository into a new directory
  init       Create an empty Git repository or reinitialize an existing one

work on the current change (see also: git help everyday)
  add        Add file contents to the index
  mv         Move or rename a file, a directory, or a symlink
  restore    Restore working tree files
  rm         Remove files from the working tree and from the index

examine the history and state (see also: git help revisions)
  bisect    Use binary search to find the commit that introduced a bug
  diff      Show changes between commits, commit and working tree, etc
  grep      Print lines matching a pattern
  log       Show commit logs
  show      Show various types of objects
  status    Show the working tree status

grow, mark and tweak your common history
  backfill  Download missing objects in a partial clone
  branch    List, create, or delete branches
  commit    Record changes to the repository
  merge     Join two or more development histories together
  rebase    Reapply commits on top of another base tip
  reset    Reset current HEAD to the specified state
  switch   Switch branches
  tag      Create, list, delete or verify a tag object signed with GPG

collaborate (see also: git help workflows)
  fetch    Download objects and refs from another repository
  pull     Fetch from and integrate with another repository or a local branch
  push     Update remote refs along with associated objects

'git help -a' and 'git help -g' list available subcommands and some
concept guides. See 'git help <command>' or 'git help <concept>'
to read about a specific subcommand or concept.
See 'git help git' for an overview of the system.
PS C:\Users\Admin\Desktop> mkdir EXP2
```

```
Directory: C:\Users\Admin\Desktop

Mode                LastWriteTime         Length Name
----                -----          ----  --
d-----  7/22/2025    9:36 AM           EXP2

PS C:\Users\Admin\Desktop> cd EXP2
PS C:\Users\Admin\Desktop\EXP2> echo "# EXP2" >> README.md
PS C:\Users\Admin\Desktop\EXP2> cat .\README.md
# EXP2
PS C:\Users\Admin\Desktop\EXP2> git init
Initialized empty Git repository in C:/Users/Admin/Desktop/EXP2/.git/
PS C:\Users\Admin\Desktop\EXP2> git add README.md
PS C:\Users\Admin\Desktop\EXP2> git commit -m "first commit"
[master (root-commit) 68d7811] first commit
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 README.md
PS C:\Users\Admin\Desktop\EXP2> git branch -M main
PS C:\Users\Admin\Desktop\EXP2> git remote add origin https://github.com/Blemail2022/EXP2.git
PS C:\Users\Admin\Desktop\EXP2> git push -u origin main
info: please complete authentication in your browser...
PS C:\Users\Admin\Desktop\EXP2> git push -u origin main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 238 bytes | 238.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Blemail2022/EXP2.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.
PS C:\Users\Admin\Desktop\EXP2> git push [--tags][remote]
fatal: ''][remote]' does not appear to be a git repository
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.
PS C:\Users\Admin\Desktop\EXP2> git fetch
PS C:\Users\Admin\Desktop\EXP2> git tag
PS C:\Users\Admin\Desktop\EXP2> git tag [test1][commit sha]
fatal: Failed to resolve 'sha]' as a valid ref.
PS C:\Users\Admin\Desktop\EXP2> git log --oneline
68d7811 (HEAD -> main, origin/main, origin/HEAD) first commit
PS C:\Users\Admin\Desktop\EXP2> git tag test1
PS C:\Users\Admin\Desktop\EXP2> git tag -a v1.0 68d7811 -m "Version 1.0 Release"
>> git tag test2 68d7811
PS C:\Users\Admin\Desktop\EXP2> git tag
test1
test2
v1.0
```

```

PS C:\Users\Admin\Desktop\EXP2> git push --tags
Enumerating objects: 1, done.
Counting objects: 100% (1/1), done.
Writing objects: 100% (1/1), 176 bytes | 176.00 KiB/s, done.
Total 1 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Bleemail2022/EXP2.git
 * [new tag]          test1 -> test1
 * [new tag]          test2 -> test2
 * [new tag]          v1.0 -> v1.0
PS C:\Users\Admin\Desktop\EXP2> git tag -d test1
Deleted tag 'test1' (was 68d7811)
PS C:\Users\Admin\Desktop\EXP2> git log --oneline
68d7811 (HEAD -> main, tag: v1.0, tag: test2, origin/main, origin/HEAD) first commit
PS C:\Users\Admin\Desktop\EXP2> git reset 68d7811
PS C:\Users\Admin\Desktop\EXP2> git reset --hard 68d7811
HEAD is now at 68d7811 first commit
PS C:\Users\Admin\Desktop\EXP2> git revert 68d7811
[main 781b71d] Revert "First Commit"
 1 file changed, 0 insertions(+), 0 deletions(-)
 delete mode 100644 README.md
PS C:\Users\Admin\Desktop\EXP2> git push -u origin main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (2/2), 210 bytes | 210.00 KiB/s, done.
Total 2 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Bleemail2022/EXP2.git
 68d7811..781b71d  main -> main
branch 'main' set up to track 'origin/main'.
PS C:\Users\Admin\Desktop\EXP2> git push --tags
Everything up-to-date
PS C:\Users\Admin\Desktop\EXP2> git fetch
From https://github.com/Bleemail2022/EXP2
 * [new tag]          test1 -> test1
PS C:\Users\Admin\Desktop\EXP2> git fetch --prune origin
>> git fetch --prune origin
PS C:\Users\Admin\Desktop\EXP2> git pull origin
Already up to date.

```

The screenshot shows a GitHub repository named 'EXP2'. The repository is private. It has 3 tags: test1, test2, and v1.0. The latest commit is 'Revert "First Commit"' by 'Gunjanpatilexe' (781b71d) made 11 minutes ago. The repository has 2 commits in total. There is a 'README' section with a 'Add a README' button. The sidebar shows the following statistics: 0 stars, 0 watching, and 0 forks. Other sections include 'Releases' (3 tags), 'Packages' (No packages published), and a link to 'Publish your first package'.

SBL EXP 3

Getting Started

Create First Admin User

Username

Password

Confirm password

Full name

E-mail address

Jenkins 2.516.3

[Skip and continue as admin](#)

[Save and Continue](#)



+ New Item

Build History

Build Queue

v

No builds in the queue.

Build Executor Status

0/2 v

Welcome to Jenkins!

This page is where your Jenkins jobs will be displayed. To get started, you can set up distributed builds or start building a software project.

[Start building your software project](#)

Create a job

+

Set up a distributed build

Set up an agent



Configure a cloud



Learn more about distributed builds



New Item

Enter an item name

MyFirstJob

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



Jenkins / MyFirstJob / Configuration



Configure



General



Source Code Management



Triggers

Build Steps

Environment

Post-build Actions

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 Windows batch command ?

Command

See [the list of available environment variables](#)

```
echo "Hello, Jenkins is working!"
```

Advanced ▾

Console Output

Do

Started by user [Manas Patekar](#)

Running as SYSTEM

Building in workspace C:\ProgramData\Jenkins\.jenkins\workspace\MyFirstJob
[MyFirstJob] \$ cmd /c call C:\WINDOWS\TEMP\jenkins11190561438879303844.bat

```
C:\ProgramData\Jenkins\.jenkins\workspace\MyFirstJob>echo "Hello, Jenkins is working!"  
"Hello, Jenkins is working!"
```

```
C:\ProgramData\Jenkins\.jenkins\workspace\MyFirstJob>exit 0  
Finished: SUCCESS
```

SBL EXP 4

New Item

Enter an item name

MyScriptedPipeline

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



Jenkins

/ MyScriptedPipeline

/ Configuration



Configure

Define your Pipeline using Groovy directly or pull it from source control.

General

Triggers

Pipeline

Advanced

Definition

Pipeline script

```
1< node {  
2<   stage('Build') {  
3<     echo 'Building the application...'  
4<   }  
5<   stage('Test') {  
6<     echo 'Running tests...'  
7<   }  
8<   stage('Deploy') {  
9<     echo 'Deploying application to server...'  
10<}  
11<  stage('Monitor') {  
12<    echo 'Monitoring application...'  
13<}  
14< }  
15<
```

Use Groovy Sandbox ?

Pipeline Syntax

Save

Apply

 Jenkins / MyScriptedPipeline / #1

Status  **Console Output**

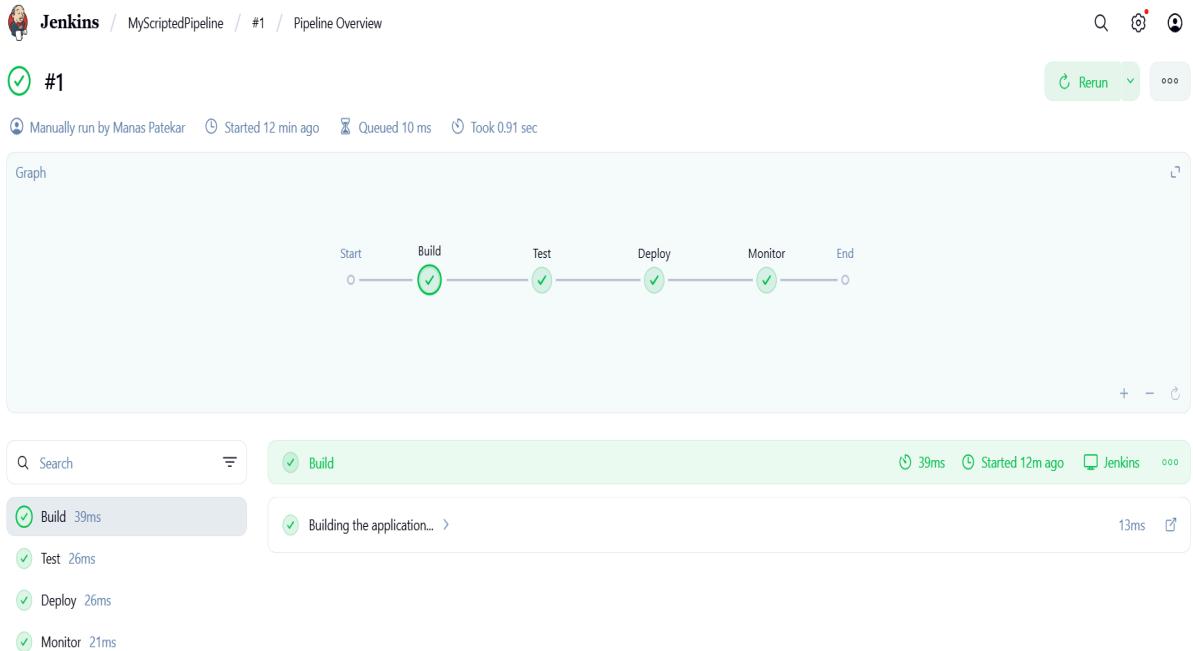
</> Changes

-  **Console Output**
-  Edit Build Information
-  Delete build '#1'
-  Timings
-  Pipeline Overview
-  Replay
-  Pipeline Steps
-  Workspaces

```

Started by user Manas Patekar
[Pipeline] Start of Pipeline
[Pipeline] node
Running on Jenkins in C:\ProgramData\Jenkins\.jenkins\workspace\MyScriptedPipeline
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Build)
[Pipeline] echo
Building the application...
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Test)
[Pipeline] echo
Running tests...
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Deploy)
[Pipeline] echo
Deploying application to server...
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Monitor)
[Pipeline] echo
Monitoring application...
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS

```



New Item

Enter an item name

MyDeclarativePipeline

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

Madmax2810 / JenkinsTest

<> Code Issues Pull requests Actions Projects Wiki Security Insights Settings

Files

main + Q

Go to file t

Jenkinsfile

JenkinsTest / Jenkinsfile

Madmax2810 Create Jenkinsfile

Code Blame 25 lines (25 loc) · 522 Bytes

```
1 pipeline {
2     agent any
3     stages {
4         stage('Build') {
5             steps {
6                 echo 'Building the application...'
7             }
8         }
9         stage('Test') {
10            steps {
11                echo 'Running tests...'
12            }
13        }
14        stage('Deploy') {
15            steps {
16                echo 'Deploying application to server...'
17            }
18        }
19        stage('Monitor') {
20            steps {
21                echo 'Monitoring application...'
22            }
23        }
24    }
25 }
```

Jenkins / MyDeclarativePipeline / Configuration

Configure

- General
- Triggers
- Pipeline**
- Advanced

Pipeline
Define your Pipeline using Groovy directly or pull it from source control.

Definition: Pipeline script from SCM

SCM ?

Git

Repositories ?

Repository URL ?
https://github.com/Madmax2810/JenkinsTest.git

Credentials ?
- none - [+ Add](#)

Advanced

[Add Repository](#)

Jenkins / MyDeclarativePipeline / #2

[Status](#) [Console Output](#) [Changes](#) [Edit Build Information](#) [Delete build '#2'](#) [Timings](#) [Git Build Data](#) [Pipeline Overview](#) [Restart from Stage](#) [Replay](#) [Pipeline Steps](#) [Workspaces](#) [Previous Build](#)

Console Output

```

Started by user Manas Patekar
Obtained Jenkinsfile from git https://github.com/Madmax2810/JenkinsTest.git
[Pipeline] Start of Pipeline
[Pipeline] node
Running on Jenkins in C:\ProgramData\Jenkins\.jenkins\workspace\MyDeclarativePipeline
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Declarative: Checkout SCM)
[Pipeline] checkout
Selected Git installation does not exist. Using Default
The recommended git tool is: NONE
No credentials specified
Cloning the remote Git repository
Cloning repository https://github.com/Madmax2810/JenkinsTest.git
> git.exe init C:\ProgramData\Jenkins\.jenkins\workspace\MyDeclarativePipeline # timeout=10
Fetching upstream changes from https://github.com/Madmax2810/JenkinsTest.git
> git.exe --version # timeout=10
> git --version # git version 2.51.0.windows.1*
> git.exe fetch --tags --force --progress -- https://github.com/Madmax2810/JenkinsTest.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git.exe config remote.origin.url https://github.com/Madmax2810/JenkinsTest.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/main^{commit}" # timeout=10
Checking out Revision 6559bbde96da42452609dbb7d9ae3fe7b82cf2f5 (refs/remotes/origin/main)
> git.exe config core.sparsecheckout # timeout=10
> git.exe checkout -f 6559bbde96da42452609dbb7d9ae3fe7b82cf2f5 # timeout=10
Commit message: "Create Jenkinsfile"
First time build. Skipping changelog.
[Pipeline] }
[Pipeline] // stage
[Pipeline] withEnv
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Build)
[Pipeline] echo

```

Jenkins / MyDeclarativePipeline / #3 / Pipeline Overview

[#3](#) [Rerun](#) [...](#)

Manually run by Manas Patekar Started 11 sec ago Queued 2 ms Took 2.8 sec

Graph

```

graph LR
    Start((Start)) --> SCM[Checkout SCM]
    SCM --> Build[Build]
    Build --> Test[Test]
    Test --> Deploy[Deploy]
    Deploy --> Monitor[Monitor]
    Monitor --> End((End))

```

Search: [Monitor](#) [Monitoring application... >](#)

Step	Duration	Start Time	End Time
Checkout SCM	1.1s	2023-10-12T14:44:48.580Z	2023-10-12T14:44:49.680Z
Build	44ms	2023-10-12T14:44:49.680Z	2023-10-12T14:44:50.120Z
Test	33ms	2023-10-12T14:44:50.120Z	2023-10-12T14:44:50.450Z
Deploy	31ms	2023-10-12T14:44:50.450Z	2023-10-12T14:44:50.760Z
Monitor	31ms	2023-10-12T14:44:50.760Z	2023-10-12T14:44:51.070Z

SBL EXP 5

The screenshot shows a GitHub repository page for 'JenkinsTest' owned by 'Madmax2810'. The repository has 1 branch and 0 tags. The main file listed is 'HelloWorld.java' which was created by 'Madmax2810' 4 minutes ago. Other files shown are 'Jenkinsfile' and 'build.bat'. A 'README' section is present with a 'Add a README' button. The repository has 5 commits, 0 stars, 0 forks, and 0 watching. It also lists releases, packages, and languages.

No description, website, or topics provided.

Activity

0 stars

0 watching

0 forks

Releases

No releases published
Create a new release

Packages

No packages published
Publish your first package

Languages

Java 54.4% Batchfile 45.6%

The screenshot shows the code view for 'HelloWorld.java' in the 'JenkinsTest' repository. The code is as follows:

```
1 public class HelloWorld {  
2     public static void main(String[] args) {  
3         System.out.println("Hello, JenkinsTest CI/CD Build!");  
4     }  
5 }
```

The screenshot shows the code view for 'build.bat' in the 'JenkinsTest' repository. The code is as follows:

```
1 @echo off  
2 echo Compiling Java files...  
3 javac src\HelloWorld.java  
4 echo Running program...  
5 java -cp src HelloWorld  
6 pause
```

```
pipeline {
    agent any
    stages {
        stage('Build') {
            steps {
                echo 'Compiling Java project...'
                bat 'javac HelloWorld.java'
            }
        }
        stage('Test') {
            steps {
                echo 'Running the application...'
                bat 'java HelloWorld'
            }
        }
        stage('Deploy') {
            steps {
                echo 'Deploy step: simulate deployment'
            }
        }
    }
}
```

Jenkins / JenkinsTestPipeline / Configuration

Configure

Definition

Pipeline script from SCM

SCM

Git

Repositories

Repository URL

https://github.com/Madmax2810/JenkinsTest.git

Specify the URL or path of the git repository. This uses the same syntax as your git clone command.

(from Git plugin)

Credentials

- none -

Advanced

Save Apply

✓ Console Output

```
Started by user Manas Patekar
Obtained Jenkinsfile from git https://github.com/Madmax2810/JenkinsTest.git
[Pipeline] Start of Pipeline
[Pipeline] node
Running on Jenkins in C:\ProgramData\Jenkins\.jenkins\workspace\JenkinsTestPipeline
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Declarative: Checkout SCM)
[Pipeline] checkout
Selected Git installation does not exist. Using Default
The recommended git tool is: NONE
No credentials specified
Cloning the remote Git repository
Cloning repository https://github.com/Madmax2810/JenkinsTest.git
> git.exe init C:\ProgramData\Jenkins\.jenkins\workspace\JenkinsTestPipeline # timeout=10
Fetching upstream changes from https://github.com/Madmax2810/JenkinsTest.git
> git.exe --version # timeout=10
> git --version # 'git version 2.51.0.windows.1'
> git.exe fetch --tags --force --progress -- https://github.com/Madmax2810/JenkinsTest.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git.exe config remote.origin.url https://github.com/Madmax2810/JenkinsTest.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/main^{commit}" # timeout=10
Checking out Revision 7bb44e50651b5de06afeffc337abcc0633e82988 (refs/remotes/origin/main)
> git.exe config core.sparsecheckout # timeout=10
> git.exe checkout -f 7bb44e50651b5de06afeffc337abcc0633e82988 # timeout=10
Commit message: "Update Jenkinsfile"
```

Jenkins / JenkinsTestPipeline / #1 / Pipeline Overview

✓ #1 >

Manually run by Manas Patekar Started 1 min 37 sec ago Queued 25 ms Took 7.2 sec

Graph



Q Search

✓ Deploy

✓ Checkout SCM 1.6s

✓ Deploy step: simulate deployment

✓ Build 0.94s

✗ Deploy step: simulate deployment

✓ Test 0.33s

✓ Deploy 46ms

```
First time build. Skipping changelog.  
[Pipeline] }  
[Pipeline] // stage  
[Pipeline] withEnv  
[Pipeline] {  
[Pipeline] stage  
[Pipeline] { (Build)  
[Pipeline] echo  
Compiling Java project...  
[Pipeline] bat  
  
C:\ProgramData\Jenkins\.jenkins\workspace\JenkinsTestPipeline>javac HelloWorld.java  
[Pipeline] }  
[Pipeline] // stage  
[Pipeline] stage  
[Pipeline] { (Test)  
[Pipeline] echo  
Running the application...  
[Pipeline] bat  
  
C:\ProgramData\Jenkins\.jenkins\workspace\JenkinsTestPipeline>java HelloWorld  
Hello, JenkinsTest CI/CD Build!  
[Pipeline] }  
[Pipeline] // stage  
[Pipeline] stage  
[Pipeline] { (Deploy)  
[Pipeline] echo  
Deploy step: simulate deployment  
[Pipeline] }  
[Pipeline] // stage  
[Pipeline] }  
[Pipeline] // withEnv  
[Pipeline] }  
[Pipeline] // node  
[Pipeline] End of Pipeline  
Finished: SUCCESS
```

SBL EXP 6

```
Sample1.py ×
Sample1.py > ...
1  from selenium import webdriver
2  from selenium.webdriver.chrome.service import Service
3  from selenium.webdriver.chrome.options import Options
4  from webdriver_manager.chrome import ChromeDriverManager
5  from selenium.webdriver.common.keys import Keys
6  import time
7
8  print("Sample test case started")
9
10 # Setup Chrome options for headless mode (optional)
11 options = Options()
12 options.add_argument("--headless") # Comment out if you want to see the browser
13 options.add_argument("--disable-gpu")
14
15 # Use webdriver-manager to automatically handle ChromeDriver
16 service = Service(ChromeDriverManager().install())
17 driver = webdriver.Chrome(service=service, options=options)
18
19 # Open Google
20 driver.get("https://www.google.com/")
21 driver.maximize_window()
22
23 # Search for javatpoint
24 search_box = driver.find_element("name", "q")
25 search_box.send_keys("javatpoint")
26 search_box.send_keys(Keys.ENTER)
27
28 time.sleep(3) # wait for results
29
30 driver.quit()
31 print("Sample test case successfully completed")
32
```

```
Collecting colorama==0.4.6 (from pytests)
  Using cached colorama-0.4.6-py2.py3-none-any.whl.metadata (17 kB)
Collecting iniconfig>=1 (from pytest)
  Using cached iniconfig-2.1.0-py3-none-any.whl.metadata (2.7 kB)
Requirement already satisfied: packaging>=20 in e:\codes\seleniumtes
Collecting pluggy<2,>=1.5 (from pytest)
  Using cached pluggy-1.6.0-py3-none-any.whl.metadata (4.8 kB)
Collecting pygments>=2.7.2 (from pytest)
  Using cached pygments-2.19.2-py3-none-any.whl.metadata (2.5 kB)
Using cached pytest-8.4.2-py3-none-any.whl (365 kB)
Using cached pluggy-1.6.0-py3-none-any.whl (20 kB)
Using cached colorama-0.4.6-py2.py3-none-any.whl (25 kB)
Using cached iniconfig-2.1.0-py3-none-any.whl (6.0 kB)
Using cached pygments-2.19.2-py3-none-any.whl (1.2 MB)
Installing collected packages: pygments, pluggy, iniconfig, colorama
Successfully installed colorama-0.4.6 iniconfig-2.1.0 pluggy-1.6.0 p
(venv) PS E:\Codes\SeleniumTest> vscode
vscode: The term 'vscode' is not recognized as a name of a cmdlet, f
Check the spelling of the name, or if a path was included, verify th
(venv) PS E:\Codes\SeleniumTest> code
(venv) PS E:\Codes\SeleniumTest> python
Sample test case started
Sample test case successfully completed
(venv) PS E:\Codes\SeleniumTest> |
```

New Item

Enter an item name

SeleniumTestJob

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

Build Steps

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

Execute Windows batch command

Command

See the list of available environment variables

```
:: Go to project directory  
cd C:\SeleniumTest  
  
:: Install packages (optional if already installed)  
"C:\Users\Manas Patekar\AppData\Local\Programs\Python\Python313\python.exe" -m pip install --upgrade pip  
"C:\Users\Manas Patekar\AppData\Local\Programs\Python\Python313\python.exe" -m pip install selenium webdriver-manager  
  
:: Run the Selenium test  
"C:\Users\Manas Patekar\AppData\Local\Programs\Python\Python313\python.exe" Sample1.py
```

Advanced ▾

Add build step ▾

Console Output

```
Started by user Manas Patekar
Running as SYSTEM
Building in workspace C:\ProgramData\Jenkins\workspace\SeleniumTestJob
[SeleniumTestJob] $ cmd / c call C:\Windows\TEMP\jenkins15190107237911346.bat

C:\ProgramData\Jenkins\workspace\SeleniumTestJob>cd C:\SeleniumTest

C:\SeleniumTest>"C:\Users\Manas Patekar\AppData\Local\Programs\Python\Python313\python.exe" -m pip install --upgrade pip
Requirement already satisfied: pip in c:\users\manas.patekar\appdata\local\programs\python\python313\lib\site-packages (25.2)

C:\SeleniumTest>"C:\Users\Manas Patekar\AppData\Local\Programs\Python\Python313\python.exe" -m pip install selenium webdriver-manager
Requirement already satisfied: selenium in c:\users\manas.patekar\appdata\local\programs\python\python313\lib\site-packages (4.36.0)
Requirement already satisfied: webdriver-manager in c:\users\manas.patekar\appdata\local\programs\python\python313\lib\site-packages (4.0.2)
Requirement already satisfied: urllib3<3.0,>=2.5.0 in c:\users\manas.patekar\appdata\local\programs\python\python313\lib\site-packages (from selenium) (2.5.0)
Requirement already satisfied: trio<1.0,>=0.30.0 in c:\users\manas.patekar\appdata\local\programs\python\python313\lib\site-packages (from selenium) (0.31.0)
Requirement already satisfied: trio-websocket<1.0,>=0.12.2 in c:\users\manas.patekar\appdata\local\programs\python\python313\lib\site-packages (from selenium) (0.12.2)
Requirement already satisfied: certifi>=2025.6.15 in c:\users\manas.patekar\appdata\local\programs\python\python313\lib\site-packages (from selenium) (4.0.2)
Requirement already satisfied: typing_extensions<5.0,>=4.14.0 in c:\users\manas.patekar\appdata\local\programs\python\python313\lib\site-packages (from selenium) (4.15.0)
Requirement already satisfied: websocket-client<2.0,>=1.8.0 in c:\users\manas.patekar\appdata\local\programs\python\python313\lib\site-packages (from selenium) (1.8.0)
Requirement already satisfied: attrs>=23.2.0 in c:\users\manas.patekar\appdata\local\programs\python\python313\lib\site-packages (from selenium) (25.3.0)
Requirement already satisfied: sortedcontainers in c:\users\manas.patekar\appdata\local\programs\python\python313\lib\site-packages (from selenium) (2.4.0)
Requirement already satisfied: idna in c:\users\manas.patekar\appdata\local\programs\python\python313\lib\site-packages (from selenium) (3.10)
Requirement already satisfied: outcome in c:\users\manas.patekar\appdata\local\programs\python\python313\lib\site-packages (from selenium) (1.3.0.post0)
Requirement already satisfied: sniffio>=1.3.0 in c:\users\manas.patekar\appdata\local\programs\python\python313\lib\site-packages (from selenium) (1.3.1)
Requirement already satisfied: cffifx>=1.14 in c:\users\manas.patekar\appdata\local\programs\python\python313\lib\site-packages (from selenium) (2.0.0)
Requirement already satisfied: wsproto>=0.14 in c:\users\manas.patekar\appdata\local\programs\python\python313\lib\site-packages (from selenium) (1.2.0)
Requirement already satisfied: pysocks!=2.5.7,<2.0,>=2.5.6 in c:\users\manas.patekar\appdata\local\programs\python\python313\lib\site-packages (from selenium) (1.7.1)
Requirement already satisfied: requests in c:\users\manas.patekar\appdata\local\programs\python\python313\lib\site-packages (from selenium) (2.32.5)
Requirement already satisfied: python-dotenv in c:\users\manas.patekar\appdata\local\programs\python\python313\lib\site-packages (from selenium) (1.1.1)
Requirement already satisfied: packaging in c:\users\manas.patekar\appdata\local\programs\python\python313\lib\site-packages (from selenium) (25.0)
Requirement already satisfied: pyparser in c:\users\manas.patekar\appdata\local\programs\python\python313\lib\site-packages (from selenium) (2.23)
Requirement already satisfied: h11<1.9.0 in c:\users\manas.patekar\appdata\local\programs\python\python313\lib\site-packages (from selenium) (0.16.0)
Requirement already satisfied: charset_normalizer<4,>=2 in c:\users\manas.patekar\appdata\local\programs\python\python313\lib\site-packages (from selenium) (3.4.3)

C:\SeleniumTest>"C:\Users\Manas Patekar\AppData\Local\Programs\Python\Python313\python.exe" Sample1.py
Sample test case started
Sample test case successfully completed
C:\SeleniumTest>exit 0
Finished: SUCCESS
```

SBL EXP 7

```

PS C:\Users\Manas Patekar> docker --version
Docker version 28.4.0, build d8eb465
PS C:\Users\Manas Patekar> docker pull ubuntu
Using default tag: latest
latest: Pulling from library/ubuntu
Digest: sha256:728785b59223d755e3e5c5af178fab1be7031f3522c5ccd7a0b32b80d8248123
Status: Image is up to date for ubuntu:latest
docker.io/library/ubuntu:latest
PS C:\Users\Manas Patekar> docker run -it ubuntu
root@f481c1e55763:/# ls
bin boot dev etc home lib lib64 media mnt opt proc root run sbin srv sys tmp usr var
root@f481c1e55763:/# tree
bash: tree: command not found
root@f481c1e55763:/# exit
exit
PS C:\Users\Manas Patekar> docker ps -a
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
f481c1e55763 ubuntu "/bin/bash" 19 seconds ago Exited (127) 5 seconds ago intelligent_da Vinci
b30190793c6a ubuntu "/bin/bash" 3 minutes ago Exited (100) 3 minutes ago cranky_tesla
bacfd540a0d8 ubuntu "/bin/bash" 6 minutes ago Exited (0) 4 minutes ago nostalgic_carson
PS C:\Users\Manas Patekar> docker rm f481c1e55763
f481c1e55763
PS C:\Users\Manas Patekar> docker ps -a
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
b30190793c6a ubuntu "/bin/bash" 4 minutes ago Exited (100) 4 minutes ago cranky_tesla
bacfd540a0d8 ubuntu "/bin/bash" 7 minutes ago Exited (0) 5 minutes ago nostalgic_carson
PS C:\Users\Manas Patekar> cd E:\Codes
PS E:\Codes> mkdir DockerTest

Directory: E:\Codes

Mode LastWriteTime Length Name
---- -- -- -- --
d--- 10/5/2025 1:47 PM DockerTest

PS E:\Codes> cd ..\DockerTest\
PS E:\Codes\DockerTest> docker build -t myubuntu:1.0 .
[+] Building 17.0s (9/9) FINISHED
=> [internal] load build definition from Dockerfile
=> transferring dockerfile: 407B
=> [internal] load metadata for docker.io/library/ubuntu:latest
=> [internal] load .dockercfg
=> transferring context: 2B
=> [1/4] FROM docker.io/library/ubuntu:latest@sha256:728785b59223d755e3e5c5af178fab1be7031f3522c5ccd7a0b32b80d82
=> [2/4] RUN apt-get update && apt-get install -y curl
=> [3/4] WORKDIR /app
=> [4/4] COPY . /app
=> exporting to image
=> exporting layers
=> exporting manifest sha256:db3e81a51f97464b295e5b4fc0f436cdc4d6bbee7e90d726668d191b7df42779
=> exporting config sha256:c773a73a1482bd1f729366d7fab055b22b06013cc456d98ac6c853cf16d6c240
=> exporting attestation manifest sha256:1d06c2021283f45d4f278c4f52cb59dfdb61ebccb504e774c8c7d98a929f2b6
=> exporting manifest list sha256:fcd4947472ad5e6ee033e9376176cf477da5061b3a472754d5438bc9e343fd6e
=> naming to docker.io/library/myubuntu:1.0
=> unpacking to docker.io/library/myubuntu:1.0
PS E:\Codes\DockerTest> docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
myubuntu 1.0 fcd4947472ad 6 seconds ago 234MB
ubuntu latest 728785b59223 4 days ago 117MB
PS E:\Codes\DockerTest> docker run -it myubuntu:1.0
root@8c59411269d1:/app# ls
Dockerfile
root@8c59411269d1:/app# exit
exit
PS E:\Codes\DockerTest> docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
PS E:\Codes\DockerTest> docker tag myubuntu:2.0 yourdockerid/myubuntu:2.0
Error response from daemon: No such image: myubuntu:2.0
PS E:\Codes\DockerTest> docker tag myubuntu:1.0 yourdockerid/myubuntu:1.0
PS E:\Codes\DockerTest> docker push yourdockerid/myubuntu:2.0
The push refers to repository [docker.io/yourdockerid/myubuntu]
tag does not exist: yourdockerid/myubuntu:2.0
PS E:\Codes\DockerTest> docker push yourdockerid/myubuntu:1.0
The push refers to repository [docker.io/yourdockerid/myubuntu]
c4e1e1bcd1e: Waiting
57db23a30019: Waiting
fd36ebe8edb0: Waiting
ff55db968a96: Waiting
a1a21c96bc16: Waiting
push access denied, repository does not exist or may require authorization: server message: insufficient_scope: authorization failed

```

```

PS E:\Codes\DockerTest> docker container prune
WARNING! This will remove all stopped containers.
Are you sure you want to continue? [y/N] y
Deleted Containers:
8c59411269d10217de30924f765df94d40830e7059df0ad9d892c33dad06d6cd
b30190793c6a6bc4ec69e96265fa439ead400ca541aff9ca3eba759adc84f909
bacfd540a0d8785eaebd4f2537fddef64ca5e6292133982ce271562816a99c7e

Total reclaimed space: 53.25kB
PS E:\Codes\DockerTest> docker image prune -a
WARNING! This will remove all images without at least one container associated to them.
Are you sure you want to continue? [y/N] y
Deleted Images:
untagged: myubuntu:1.0
untagged: ubuntu:latest
untagged: yourdockерid/myubuntu:1.0
deleted: sha256:fcd4947472ad5e6ee033e9376176cf477da5061b3a472754d5438bc9e343fd6e
deleted: sha256:db3e81a51f97464b295e5b4fc0f436cdc4d6bbe7e90d726668d191b7df42779
deleted: sha256:1d06c2021283f45d4f278c4f52cb59dfdb61ebccbf504e774c8c7d98a929f2b6

Total reclaimed space: 5.807kB
PS E:\Codes\DockerTest>

```

The screenshot shows the Docker Desktop application window. The left sidebar has 'Images' selected. The main area displays a table of images with one entry:

Name	Tag	Image ID	Created	Size	Actions
myubuntu	1.0	123d9f31d39b	4 minutes ago	234.2 MB	

Below the table, there's a 'Walkthroughs' section with two cards:

- How do I run a container?**
A snippet of a Dockerfile:

```
1 FROM node
2 RUN mkdir -p /app
3 WORKDIR /app
4 COPY package.json .
```

 6 mins
- Run Docker Hub images**
 docker hub-image 5 mins

At the bottom, status information: Engine running, RAM 1.03 GB, CPU 0.87%, Disk: 1.46 GB used (limit 1006.85 GB), Terminal v4.47.0.

The screenshot shows the Docker Desktop application window. The left sidebar has 'Containers' selected. The main area displays a table of containers with one entry:

Name	Container ID	Image	Port(s)	CPU (%)	Last started	Actions
great_euler	7ab6a57fb6a1	ubuntu		N/A	12 seconds ago	

Below the table, there's a 'Walkthroughs' section with two cards:

- Multi-container applications**
 8 mins
- Containerize your application**
 docker init 3 mins

At the bottom, status information: Engine running, RAM 1.07 GB, CPU 2.01%, Disk: 1.53 GB used (limit 1006.85 GB), Terminal v4.47.0.

SBL EXP 8

 Dockerfile X

 Dockerfile > ...

```
1 FROM php
2 COPY ./ ./ 
3 EXPOSE 3000
4 CMD ["php", "-s", "0.0.0.0:3000"]
5
```

 hello.php   Dockerfile

hello.php

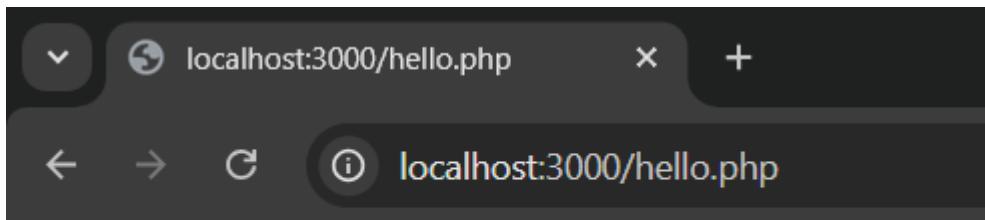
```
1 <html>
2 <?php echo "Hello world from PHP container"; ?>
3 </html>
4
```

```
PowerShell x + v - □ ×
PS E:\Codes\DockerTest> cd ..
PS E:\Codes> cd .\PHP_Hello_Docker\
PS E:\Codes\PHP_Hello_Docker> code
PS E:\Codes\PHP_Hello_Docker> docker build . -t madmax862/myfirstphp_image
ERROR: error during connect: Head "http://%2%2F.%2Fpipe%2FdockerDesktopLinuxEngine/_ping": open //./pipe/dockerDesktopLinuxEngine: The system cannot find the file specified.
PS E:\Codes\PHP_Hello_Docker> docker build . -t madmax862/myfirstphp_image
[+] Building 19.3s (8/8) FINISHED                                            docker:desktop-linux
=> [internal] load build definition from Dockerfile                         0.0s
=> transferring dockerfile: 106B                                              0.0s
=> [internal] load metadata for docker.io/library/php:latest                3.9s
=> [auth] library/php:pull token for registry-1.docker.io                   0.0s
=> [internal] load .dockercignore                                           0.0s
=> transferring context: 2B                                                 0.0s
=> [internal] load build context                                           0.0s
=> transferring context: 210B                                              0.0s
=> [1/2] FROM docker.io/library/php:latest@sha256:a627efe3590141fb90893d2db373020b67c0f297a05a92ab1e4fd2f9fb8af 14.9s
=> => resolve docker.io/library/php:latest@sha256:a627efe3590141fb90893d2db373020b67c0f297a05a92ab1e4fd2f9fb8af 0.0s
=> => sha256:2a748a0ea287f15864ca98174aadc9951757d3ca3c87a0eacbf89d11e8381690d 243B / 243B  0.8s
=> => sha256:7ddbe15ad087a9a6475045d9b10b1c416f1afe23c36c11abbc89265ac065b3e 246B / 246B  1.3s
=> => sha256:6cd96089a4f55707e66400d41eb45e4d0c965d7ebf358038292f82ee506337b5 2.45kB / 2.45kB  1.0s
=> => sha256:c234445d8de4300de97614828d628281eb5d3b4c62043db1603b9188b85c 23.52MB / 23.52MB  2.8s
=> => sha256:4a1bad354142fc57d8d7956f892061f16b34557694251c070d6eed0aafea304 488B / 488B  1.1s
=> => sha256:d1e6fb11fc4eed3dcc2e30f5384f9596cda34efa37d22dfbf416546df61c0d25 13.79MB / 13.79MB  5.3s
=> => sha256:5d4d5daa3b3cf8832703ed629db9046de8927468a3ce939a81835e3215fa9ed 225B / 225B  0.7s
=> => sha256:71be4e71309abf3b5e1ef4b7118c963521aff36b8a1b0605b528dfc910fc8d5 117.84MB / 117.84MB  10.2s
=> => sha256:99346f5284054520feff6d30aa41fe2fb0c6d24b123fa61349f2e30773601ab8 225B / 225B  0.5s
=> => sha256:8c7716127147648c1751940b97096b6325f2256290d3201662eca2701cadb2cdf 29.78MB / 29.78MB  2.9s
=> => extracting sha256:8c7716127147648c1751940b97096b6325f2256290d3201662eca2701cadb2cdf 1.1s
=> => extracting sha256:99346f5284054520feff6d30aa41fe2fb0c6d24b123fa61349f2e30773601ab8 0.0s
```

```
[+] Building 0.6s (7/7) FINISHED
=> [internal] load build definition from Dockerfile
=> transferring dockerfile: 114B
=> [internal] load metadata for docker.io/library/php:latest
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [internal] load build context
=> transferring context: 142B
=> CACHED [1/2] FROM docker.io/library/php:latest@sha256:a627efe3590141fb90893d2db373020b67c0f297a05a92ab1e4fd2f
=> => resolve docker.io/library/php:latest@sha256:a627efe3590141fb90893d2db373020b67c0f297a05a92ab1e4fd2f9fb8af
=> [2/2] COPY ./ .
=> exporting to image
=> => exporting layers
=> => exporting manifest sha256:e5b34563ab57284e57eb9fac3c559d9cbe64574f249e7678eda4e0044ac57c72
=> => exporting config sha256:8650e99460dcbe6ec62fa4b39eccf0abb04c0b684b134e2f2188c5a2868007
=> => exporting attestation manifest sha256:f4cbaa6ac6919549f0d3528c9029c8ddaa8e1b8974940c5105a607916e2f559a
=> => exporting manifest list sha256:51fd20c4e20704635b1fac43b41c7dd48df8b0eb14e1ef9cca3c31f36e4f78bf
=> => naming to docker.io/madmax862/myfirstphp_image:latest
=> => unpacking to docker.io/madmax862/myfirstphp_image:latest
PS E:\Codes\PHP_Hello_Docker> docker run --name=php -p 3000:3000 madmax862/myfirstphp_image
docker: Error response from daemon: Conflict: The container name "/php" is already in use by container "9742839c06c60934
6035f56d4881885ef50a58d48394a9520018bd1f5a7ea5ea". You have to remove (or rename) that container to be able to reuse tha
t name.

Run 'docker run --help' for more information
PS E:\Codes\PHP_Hello_Docker> docker run --name=php -p 3000:3000 madmax862/myfirstphp_image
[Sun Oct  5 08:34:03 2025] PHP 8.4.13 Development Server (http://0.0.0.0:3000) started
[Sun Oct  5 08:34:31 2025] 172.17.0.1:50650 Accepted
[Sun Oct  5 08:34:31 2025] 172.17.0.1:50650 [404]: GET / - No such file or directory
[Sun Oct  5 08:34:31 2025] 172.17.0.1:50650 Closing

PS E:\Codes\PHP_Hello_Docker> docker run --name=php -p 3000:3000 madmax862/myfirstphp_image
[Sun Oct  5 08:34:03 2025] PHP 8.4.13 Development Server (http://0.0.0.0:3000) started
[Sun Oct  5 08:34:31 2025] 172.17.0.1:50650 Accepted
[Sun Oct  5 08:34:31 2025] 172.17.0.1:50650 [404]: GET / - No such file or directory
[Sun Oct  5 08:34:31 2025] 172.17.0.1:50650 Closing
[Sun Oct  5 08:34:56 2025] 172.17.0.1:51126 Accepted
[Sun Oct  5 08:34:56 2025] 172.17.0.1:51126 [200]: GET /hello.php
[Sun Oct  5 08:34:56 2025] 172.17.0.1:51126 Closing
[Sun Oct  5 08:35:06 2025] 172.17.0.1:35920 Accepted
[Sun Oct  5 08:35:06 2025] 172.17.0.1:35920 [200]: GET /hello.php
[Sun Oct  5 08:35:06 2025] 172.17.0.1:35920 Closing
```



Hello world from PHP container

SBL EXP9

```
Manas Patekar@DESKTOP-JOGGC56 ~
$ echo $SHELL
/bin/bash

Manas Patekar@DESKTOP-JOGGC56 ~
$ ansible --version
ansible 2.8.2
  config file = /etc/ansible/ansible.cfg
  configured module search path = ['~/home/Manas Patekar/.ansible/plugins/modules', '/usr/share/ansible/plugins/modules']
  ansible python module location = /usr/lib/python3.7/site-packages/ansible
  executable location = /usr/bin/ansible
  python version = 3.7.12 (default, Nov 23 2021, 18:58:07) [GCC 11.2.0]

Manas Patekar@DESKTOP-JOGGC56 ~
$ ansible all -i localhost, -c local -m ping
[WARNING]: Platform cygwin_nt-10.0-26100 on host localhost is using the discovered Python interpreter at
/usr/bin/python, but future installation of another Python interpreter could change this. See
https://docs.ansible.com/ansible/2.8/reference_appendices/interpreter_discovery.html for more information.

localhost | SUCCESS => {
    "ansible_facts": {
        "discovered_interpreter_python": "/usr/bin/python"
    },
    "changed": false,
    "ping": "pong"
}

Manas Patekar@DESKTOP-JOGGC56 ~

Manas Patekar@DESKTOP-JOGGC56 ~
$ cd ansible_project/
Manas Patekar@DESKTOP-JOGGC56 ~/ansible_project
$ vi hosts
E1187: Failed to source defaults.vim
Press ENTER or type command to continue

Manas Patekar@DESKTOP-JOGGC56 ~/ansible_project
$ vi site.yml
E1187: Failed to source defaults.vim
Press ENTER or type command to continue

Manas Patekar@DESKTOP-JOGGC56 ~/ansible_project
$ ansible-playbook -i hosts site.yml

PLAY [Test Ansible Playbook] ****
TASK [Gathering Facts] ****
ok: [localhost]

TASK [Ensure a directory exists] ****
ok: [localhost]

PLAY RECAP ****
localhost : ok=2      changed=0      unreachable=0      failed=0      skipped=0      rescued=0      ignored=0

Manas Patekar@DESKTOP-JOGGC56 ~/ansible_project

Manas Patekar@DESKTOP-JOGGC56 ~/ansible_project
$ #!/bin/bash
/usr/bin/ansible-playbook -i ~/home/Manas\ Patekar/ansible_project/hosts ~/home/Manas\ Patekar/ansible_project/site.yml -c local

PLAY [Test Ansible Playbook] ****
TASK [Gathering Facts] ****
ok: [localhost]

TASK [Ensure a directory exists] ****
ok: [localhost]

PLAY RECAP ****
localhost : ok=2      changed=0      unreachable=0      failed=0      skipped=0      rescued=0      ignored=0

Manas Patekar@DESKTOP-JOGGC56 ~/ansible_project
$ chmod +x ~/ansible_project/run_ansible.sh
chmod: cannot access '/home/Manas Patekar/ansible_project/run_ansible.sh': No such file or directory

Manas Patekar@DESKTOP-JOGGC56 ~/ansible_project
$ cd ~/ansible_project
touch run_ansible.sh

Manas Patekar@DESKTOP-JOGGC56 ~/ansible_project
$ vi run_ansible.sh
E1187: Failed to source defaults.vim
```

Jenkins / AnsibleTest / Configuration

Configure

Build Steps

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

Execute Windows batch command ?

Command

See the list of available environment variables

c:\cygwin64\bin\bash.exe -l -c "/home/MANAS~1/ansible_project/run_ansible.sh"

Advanced ▾

Add build step ▾

Ansible installations ▾ Edited

Add Ansible

An Ansible configuration panel is shown:

- Name: CygwinAnsible
- Path to ansible executables directory: C:\cygwin64\bin\ansible-playbook
- A warning message: **⚠ C:\cygwin64\bin\ansible-playbook is not a directory on the Jenkins controller (but perhaps it exists on some agents)**
- Install automatically ?

Add Ansible

Save Apply

Console Output

Started by user Manas Patekar
Running as SYSTEM
Building in workspace C:\ProgramData\Jenkins\.jenkins\workspace\AnsibleTest
[AnsibleTest] \$ cmd /c call C:\WINDOWS\TEMP\jenkins1353471663383128944.bat

```
C:\ProgramData\Jenkins\.jenkins\workspace\AnsibleTest>c:\cygwin64\bin\bash.exe -l -c "/home/MANAS~1/ansible_project/run_ansible.sh"

PLAY [Test Ansible Playbook] ****
TASK [Gathering Facts] ****
ok: [localhost]

TASK [Ensure a directory exists] ****
ok: [localhost]

PLAY RECAP ****
localhost : ok=2    changed=0    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0

C:\ProgramData\Jenkins\.jenkins\workspace\AnsibleTest>exit 0
Finished: SUCCESS
```