

# Module-8: Jenkins Assignment - 2

## Getting Started

## Getting Started

Username   
Password

Save

Never

Passwords are saved to [Password Manager](#) on this device.

✓ Folders	✓ OWASP Markup Formatter	🔍 Build Timeout	🔍 Credentials Binding	** Ionicons API
🔍 Timestamp	🔍 Workspace Cleanup	🔍 Ant	🔍 Gradle	Folders
🔍 Pipeline	🔍 GitHub Branch Source	🔍 Pipeline: GitHub Groovy Libraries	🔍 Pipeline Graph View	OWASP Markup Formatter
🔍 Git	🔍 SSH Build Agents	🔍 Matrix Authorization Strategy	🔍 PAM Authentication	** ASM API
🔍 LDAP	🔍 Email Extension	🔍 Mailer	🔍 Dark Theme	** JSON Path API
				** Struts
				** Pipeline: Step API

### General

#### Access

🔍 Collaborators

🔍 Moderation options

#### Code and automation

🔍 Rules

🔍 Actions

🔍 Webhooks

🔍 Environments

🔍 Codespaces

🔍 Pages

#### Security

🔍 Code security

🔍 Deploy keys

🔍 Secrets and variables

#### Integrations

🔍 GitHub Apps

🔍 Email notifications

### Webhooks / Add webhook

We'll send a POST request to the URL below with details of any subscribed events. You can also specify which data format you'd like to receive (JSON, x-www-form-urlencoded, etc). More information can be found in [our developer documentation](#).

#### Payload URL \*

#### Content type \*

#### Secret

#### SSL verification

🔒 By default, we verify SSL certificates when delivering payloads.

☐ Enable SSL verification ☒ Disable (not recommended)

#### Which events would you like to trigger this webhook?

☒ Just the push event.

☐ Send me everything.

☐ Let me select individual events.

☒ Active

We will deliver event details when this hook is triggered.

Add webhook

Status

Delete Agent

Configure

Build History

Load Statistics

Log

Build Executor Status

0/1

test

(offline)

Name ?

test

Description ?

test

Plain text [Preview](#)

Number of executors ?

1

Remote root directory ?

/home/ubuntu/jenkins/

Labels ?

test

Usage ?

Use this node as much as possible

Save

Apply

Description

Plain text [Preview](#)

☐ Discard old builds ?

☐ GitHub project

☐ This project is parameterised ?

☐ Throttle builds ?

☐ Execute concurrent builds if necessary ?

☒ Restrict where this project can be run ?

Label Expression ?

test

[Label test](#) matches 1 node. Permissions or other restrictions provided by plugins may further reduce that list.

Advanced

Usage ?

Use this node as much as possible

Launch method ?

Launch agents via SSH

Host ?

3.83.224.147

Credentials ?

ubuntu

+ Add

Host Key Verification Strategy ?

Non verifying Verification Strategy

Advanced

Availability ?

Keep this agent online as much as possible

Node Properties

☐ Disable deferred wipeout on this node ?

Dashboard > push to test > Configuration

### Configure

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

#### Source Code Management

Connect and manage your code repository to automatically pull the latest code for your builds.

☐ None

☒ Git ?

Repositories ?

Repository URL ?

https://github.com/rabeeht2/jenk.git

Credentials ?

- none -

+ Add

Advanced

Add Repository

Branches to build ?

Branch Specifier (blank for 'any') ?

\*/test

Add Branch

Save Apply

## 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

```
cd $WORKSPACE
rm -rf assign
git clone https://github.com/your-username/your-repo.git assign
cd assign
ls -la
```

Advanced

Add build step

```
ubuntu@jenkins: ~
*** Please tell me who you are.

Run

git config --global user.email "you@example.com"
git config --global user.name "Your Name"

to set your account's default identity.
Omit --global to set the identity only in this repository.










fatal: unable to auto-detect email address (got 'ubuntu@jenkins.(none)')
ubuntu@jenkins:~$ git config user.email "test@gmail"
ubuntu@jenkins:~$ git config user.name "test"
ubuntu@jenkins:~$ git commit -m "first commit"
[master (root-commit) 2622621] first commit
 8 files changed, 163 insertions(+)
 create mode 100644 .bash_history
 create mode 100644 .bash_logout
 create mode 100644 .bashrc
 create mode 100644 .cache/motd.legal-displayed
 create mode 100644 .profile
 create mode 100644 .ssh/authorized_keys
 create mode 100644 .sudo_as_admin_successful
 create mode 100644 demo.file
ubuntu@jenkins:~$ git remote add origin https://github.com/rabeeht2/jenk.git
ubuntu@jenkins:~$ git branch
* master
ubuntu@jenkins:~$ git branch test
ubuntu@jenkins:~$ git switch test
Switched to branch 'test'
ubuntu@jenkins:~$ git branch
  master
* test
ubuntu@jenkins:~$ git push origin test
Username for 'https://github.com': rabeeht2
Password for 'https://rabeeht2@github.com':
Enumerating objects: 10, done.
Counting objects: 100% (10/10), done.
Compressing objects: 100% (7/7), done.
Writing objects: 100% (10/10), 3.18 KiB | 3.18 MiB/s, done.
Total 10 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/rabeeht2/jenk.git
 * [new branch]      test -> test
ubuntu@jenkins:~$
```

## ✓ Console Output

```
Started by GitHub push by rabeht2
Running as SYSTEM
Building remotely on test in workspace /home/ubuntu/jenkins/workspace/push to test
The recommended git tool is: NONE
No credentials specified
> git rev-parse --resolve-git-dir /home/ubuntu/jenkins/workspace/push to test/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/rabeht2/jenk.git # timeout=10
Fetching upstream changes from https://github.com/rabeht2/jenk.git
> git --version # timeout=10
> git --version # 'git version 2.34.1'
> git fetch --tags --force --progress -- https://github.com/rabeht2/jenk.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse refs/remotes/origin/test^{commit} # timeout=10
Checking out Revision 94b66d630d831aa99d0926b2330fcc1518d28aa8 (refs/remotes/origin/test)
> git config core.sparsecheckout # timeout=10
> git checkout -f 94b66d630d831aa99d0926b2330fcc1518d28aa8 # timeout=10
Commit message: "Update demo.file"
> git rev-list --no-walk c0aaac22d01341ba410bebf6ef5182dd042c1abe # timeout=10
[push to test] $ /bin/sh -xe /tmp/jenkins13563622897267976291.sh
+ cd /home/ubuntu/jenkins/workspace/push to test
+ rm -rf assign
+ git clone https://github.com/rabeht2/jenk.git assign
Cloning into 'assign'...
Finished: SUCCESS
```

```
ubuntu@test:~$ cd jenkins/workspace/push to test
-bash: cd: too many arguments
ubuntu@test:~$ cd jenkins/workspace/
ubuntu@test:~/jenkins/workspace$ cd push\ to\ test/
ubuntu@test:~/jenkins/workspace/push to test$ ls
assign demo.file
ubuntu@test:~/jenkins/workspace/push to test$ cd assign
ubuntu@test:~/jenkins/workspace/push to test/assign$ ls
demo.file
ubuntu@test:~/jenkins/workspace/push to test/assign$
```

## Nodes

S	Name	Architecture	Clock Difference	Free Disk Space	Free Swap Space	Free Temp Space	Response Time
	Built-in Node	Linux (amd64)	In sync	4.46 GiB	 0 B	4.46 GiB	0ms 
	prod	Linux (amd64)	In sync	4.64 GiB	 0 B	4.64 GiB	84ms 
	test	Linux (amd64)	In sync	4.63 GiB	 0 B	4.63 GiB	19ms 
last checked		1 min 41 sec	1 min 41 sec	1 min 41 sec	1 min 41 sec	1 min 41 sec	1 min 41 sec

Icon: S M L

Legend

## Configure

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

☐ Throttle builds ?

☐ Execute concurrent builds if necessary ?

☒ Restrict where this project can be run ?

Label Expression ?

prod

Label `prod` matches 1 node. Permissions or other restrictions provided by plugins may further reduce that list.

Advanced ▾

### Source Code Management

Connect and manage your code repository to automatically pull the latest code for your builds.

☐ None

☒ Git ?

Repositories ?

Repository URL ?

https://github.com/rabeht2/jenk.git

Credentials ?

- none -

+ Add

Advanced ▾

Save

Apply

## 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](#)

```
cd "/home/ubuntu/jenkins/workspace/prod"
rm -rf assign
git clone https://github.com/rabeeht2/jenk.git assign
```

Advanced ▾

Add build step ▾

Dashboard > push to prod > #4 > Console Output

Status

</> Changes

Console Output

Edit Build Information

Delete build '#4'

Timings

Git Build Data

← Previous Build

## ✓ Console Output

```
Started by user admin
Running as SYSTEM
Building remotely on prod in workspace /home/ubuntu/jenkins/workspace/push to prod
The recommended git tool is: NONE
No credentials specified
> git rev-parse --resolve-git-dir /home/ubuntu/jenkins/workspace/push to prod/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/rabeeht2/jenk.git # timeout=10
Fetching upstream changes from https://github.com/rabeeht2/jenk.git
> git --version # timeout=10
> git --version # 'git version 2.34.1'
> git fetch --tags --force --progress -- https://github.com/rabeeht2/jenk.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse refs/remotes/origin/master^{commit} # timeout=10
Checking out Revision 88ac9b12b154ea3c3bc4167e13e6fa050cc9e616 (refs/remotes/origin/master)
> git config core.sparsecheckout # timeout=10
> git checkout -f 88ac9b12b154ea3c3bc4167e13e6fa050cc9e616 # timeout=10
Commit message: "Create push test to prod server.txt"
> git rev-list --no-walk 88ac9b12b154ea3c3bc4167e13e6fa050cc9e616 # timeout=10
[push to prod] $ /bin/sh -xe /tmp/jenkins11299530001632409726.sh
+ rm -rf assign
+ git clone https://github.com/rabeeht2/jenk.git assign
Cloning into 'assign'...
Finished: SUCCESS
```

```
*** System restart required ***
Last login: Fri Feb 21 14:20:02 2025 from 152.58.218.78
ubuntu@prod:~$ cd jenkins
ubuntu@prod:~/jenkins$ ls
remoting  remoting.jar  workspace
ubuntu@prod:~/jenkins$ cd woer
-bash: cd: woer: No such file or directory
ubuntu@prod:~/jenkins$ cd workspace/
ubuntu@prod:~/jenkins/workspace$ ls
'push  to prod'
ubuntu@prod:~/jenkins/workspace$ cd push\ \ to\ prod/
ubuntu@prod:~/jenkins/workspace/push  to prod$ ls
assign  demo.file  'push test to prod server.txt'
ubuntu@prod:~/jenkins/workspace/push  to prod$ cd assign/
ubuntu@prod:~/jenkins/workspace/push  to prod/assign$ ls
demo.file
ubuntu@prod:~/jenkins/workspace/push  to prod/assign$
```

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