

Automatically Build the job

Login AWS Console

Create EC2 instance

The screenshot shows the AWS EC2 Instances page. A green banner at the top indicates "Successfully initiated stopping of i-0a543aa682374683e". The main table lists two instances:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4
Docker	i-0141ee92a35a88e78	Stopped	t3.micro	-	View alarms	us-east-1c	-
Jenkins	i-0a543aa682374683e	Stopping	t3.micro	3/3 checks passed	View alarms	us-east-1d	ec2-98-91-2

Install Jenkins on your EC2 instance

Getting Started

Unlock Jenkins

To ensure Jenkins is securely set up by the administrator, a password has been written to the log ([not sure where to find it?](#)) and this file on the server:

`/var/lib/jenkins/secrets/initialAdminPassword`

Please copy the password from either location and paste it below.

Administrator password

.....

Continue

Getting Started

Organization and Administration All | None | Suggested Selected (0/52)

Note that the full list of plugins is not shown here. Additional plugins can be installed in the **Plugin Manager** once the initial setup is complete. See the documentation for more information.

Organization and Administration (0/4)

Dashboard View 28 >

Customizable dashboard that can present various views of job information.

Folders 2 >

This plugin allows users to create “folders” to organize jobs. Users can define custom taxonomies (like by project type, organization type etc). Folders are nestable and you can define views within folders. Maintained by CloudBees, Inc.

Configuration as Code 17 >

This plugin allows configuration of Jenkins based on human-readable declarative configuration files.

OWASP Markup Formatter

Uses the [OWASP Java HTML Sanitizer](#) to allow safe-seeming HTML markup to be entered in project descriptions and the like.

Build Features (0/9)

Build Name and Description Setter 31 >

This plug-in sets the display name and description of a build to something other than #1, #2, #3, ...

Jenkins 2.541.1 Back **Install**

Add Username, Password, Confirm Password, Full Name and save .

Getting Started

Create First Admin User

Username
admin

Password
.....

Confirm password
.....

Full name
Arati Yadav

Jenkins 2.541.1 Skip and continue as admin **Save and Continue**

Getting Started

Instance Configuration

Jenkins URL:

http://98.91.219.19:8080/

The Jenkins URL is used to provide the root URL for absolute links to various Jenkins resources. That means this value is required for proper operation of many Jenkins features including email notifications, PR status updates, and the BUILD_URL environment variable provided to build steps.

The proposed default value shown is **not saved yet** and is generated from the current request, if possible. The best practice is to set this value to the URL that users are expected to use. This will avoid confusion when sharing or viewing links.

Jenkins 2.541.1

Not now

Save and Finish

Getting Started

Jenkins is ready!

Your Jenkins setup is complete.

[Start using Jenkins](#)

Jenkins 2.541.1

Create job Named as Pull-job , Build-job , test-job , deploy-job

S	W	Name ↓	Last Success	Last Failure	Last Duration
...	...	build-job	N/A	N/A	N/A
...	...	deploy-job	N/A	N/A	N/A
...	...	pull-job	N/A	N/A	N/A
...	...	test-job	N/A	N/A	N/A

Build Steps and select Post-build Actions section.

Post-build Actions (What happens after build finishes)

This section defines what Jenkins does AFTER the build completes

Configure

General

Source Code Management

Triggers

Build Steps

Post-build Actions

echo "Pulling source code..."

Advanced

+ Add build step

Post-build Actions

Define what happens after a build completes, like sending notifications, archiving artifacts, or triggering other jobs.

+ Add post-build action

Filter

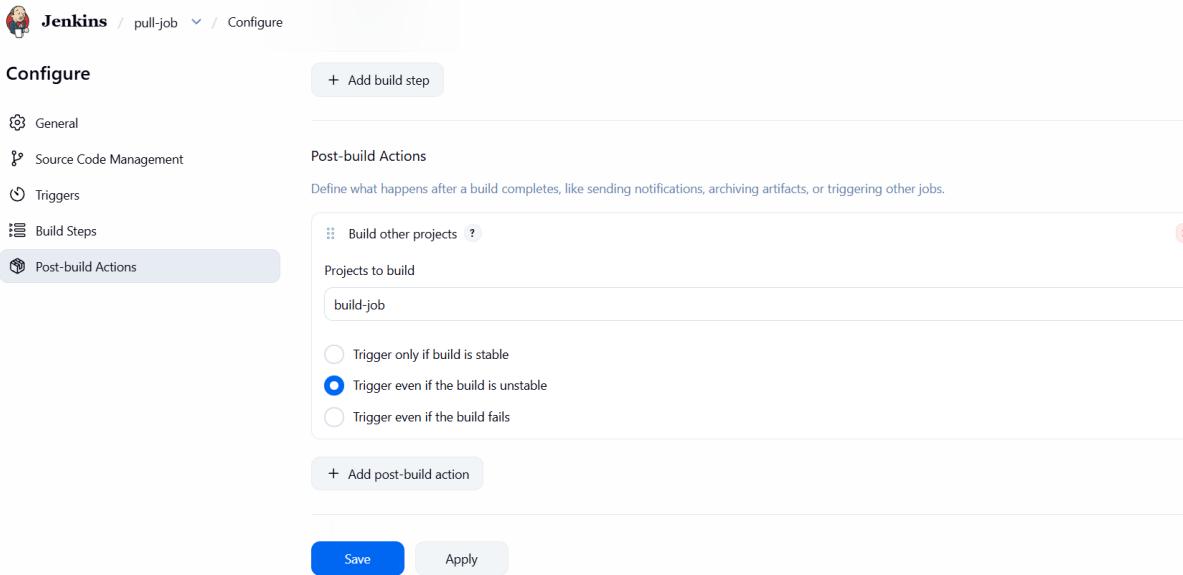
Archive the artifacts

Build other projects

Record fingerprints of files to track usage

Build other projects : After this job finishes, Jenkins will automatically trigger another job.

When pull-job finishes, Jenkins starts build-job.



Jenkins / pull-job / Configure

Configure

+ Add build step

General

Source Code Management

Triggers

Build Steps

Post-build Actions

Post-build Actions

Define what happens after a build completes, like sending notifications, archiving artifacts, or triggering other jobs.

Build other projects ?

Projects to build

build-job

Trigger only if build is stable

Trigger even if the build is unstable

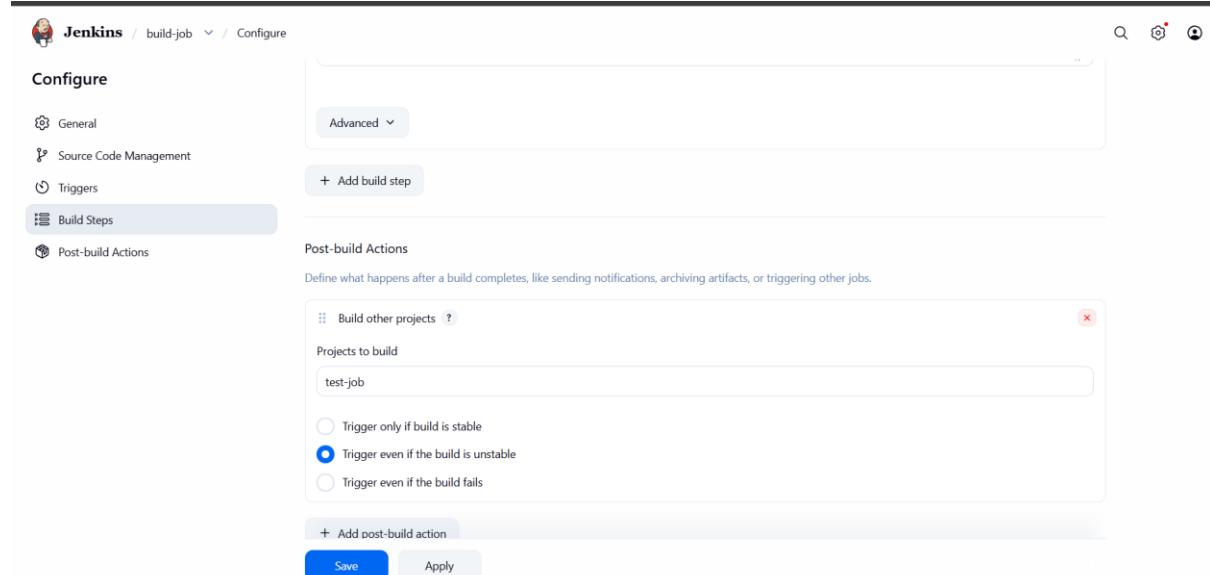
Trigger even if the build fails

+ Add post-build action

Save Apply

This screenshot shows the Jenkins configuration page for the 'pull-job'. The 'Post-build Actions' section is active. It contains a 'Build other projects' section with 'build-job' listed under 'Projects to build'. The 'Trigger even if the build is unstable' option is selected. Buttons for 'Save' and 'Apply' are at the bottom.

When build-job finishes, Jenkins starts test-job.



Jenkins / build-job / Configure

Configure

General

Source Code Management

Triggers

Build Steps

Post-build Actions

Post-build Actions

Define what happens after a build completes, like sending notifications, archiving artifacts, or triggering other jobs.

Build other projects ?

Projects to build

test-job

Trigger only if build is stable

Trigger even if the build is unstable

Trigger even if the build fails

+ Add post-build action

Save Apply

This screenshot shows the Jenkins configuration page for the 'build-job'. The 'Post-build Actions' section is active. It contains a 'Build other projects' section with 'test-job' listed under 'Projects to build'. The 'Trigger even if the build is unstable' option is selected. Buttons for 'Save' and 'Apply' are at the bottom.

When test-job finishes, Jenkins starts deploy-job.

Configure

+ Add build step

General

Source Code Management

Triggers

Build Steps

Post-build Actions

Define what happens after a build completes, like sending notifications, archiving artifacts, or triggering other jobs.

Build other projects ?

Projects to build

deploy-job

Trigger only if build is stable

Trigger even if the build is unstable

Trigger even if the build fails

+ Add post-build action

Save Apply

Click “Build Now”

Jenkins

+ New Item

Build History

All +

S	W	Name ↓	Last Success	Last Failure	Last Duration
...	...	build-job	N/A	N/A	N/A
...	...	deploy-job	N/A	N/A	N/A
...	...	pull-job	N/A	N/A	N/A
...	...	test-job	N/A	N/A	N/A

Icon: S M L

Changes
Workspace
Build Now
Configure
Delete Project
Rename

Jenkins

+ New Item

Build History

All +

S	W	Name ↓	Last Success	Last Failure	Last Duration
✓	...	build-job	21 sec #1	N/A	12 ms
✓	...	deploy-job	1.5 sec #1	N/A	12 ms
✓	...	pull-job	28 sec #1	N/A	54 ms
✓	...	test-job	11 sec #1	N/A	22 ms

Icon: S M L

This is output for all jobs.

Jenkins / pull-job / #1

Status Changes Console Output Edit Build Information Delete build '#1'

Console

Started by user Arati Yadav
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/pull-job
[pull-job] \$ /bin/sh -xe /tmp/jenkins8103487475675905575.sh
+ echo Pulling source code...
Pulling source code...
Triggering a new build of build-job
Finished: SUCCESS

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Jenkins / build-job / #1

Status Changes Console Output Edit Build Information Delete build '#1'

Console

Started by upstream project "pull-job" build number 1
originally caused by:
Started by user Arati Yadav
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/build-job
[build-job] \$ /bin/sh -xe /tmp/jenkins5798536234745112829.sh
+ echo Building application...
Building application...
Triggering a new build of test-job
Finished: SUCCESS

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Jenkins / test-job / #1

Status Changes Console Output Edit Build Information Delete build '#1'

Console

Started by upstream project "build-job" build number 1
originally caused by:
Started by upstream project "pull-job" build number 1
originally caused by:
Started by user Arati Yadav
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/test-job
[test-job] \$ /bin/sh -xe /tmp/jenkins14275634928870983730.sh
+ echo Running tests...
Running tests...
Triggering a new build of deploy-job
Finished: SUCCESS

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Jenkins / deploy-job / #1

Status Changes Console Output Edit Build Information Delete build '#1'

Console

Started by upstream project "test-job" build number 1
originally caused by:
Started by upstream project "build-job" build number 1
originally caused by:
Started by upstream project "pull-job" build number 1
originally caused by:
Started by user Arati Yadav
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/deploy-job
[deploy-job] \$ /bin/sh -xe /tmp/jenkins16389127578016297893.sh
+ echo Deploying application...
Deploying application...
Finished: SUCCESS

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