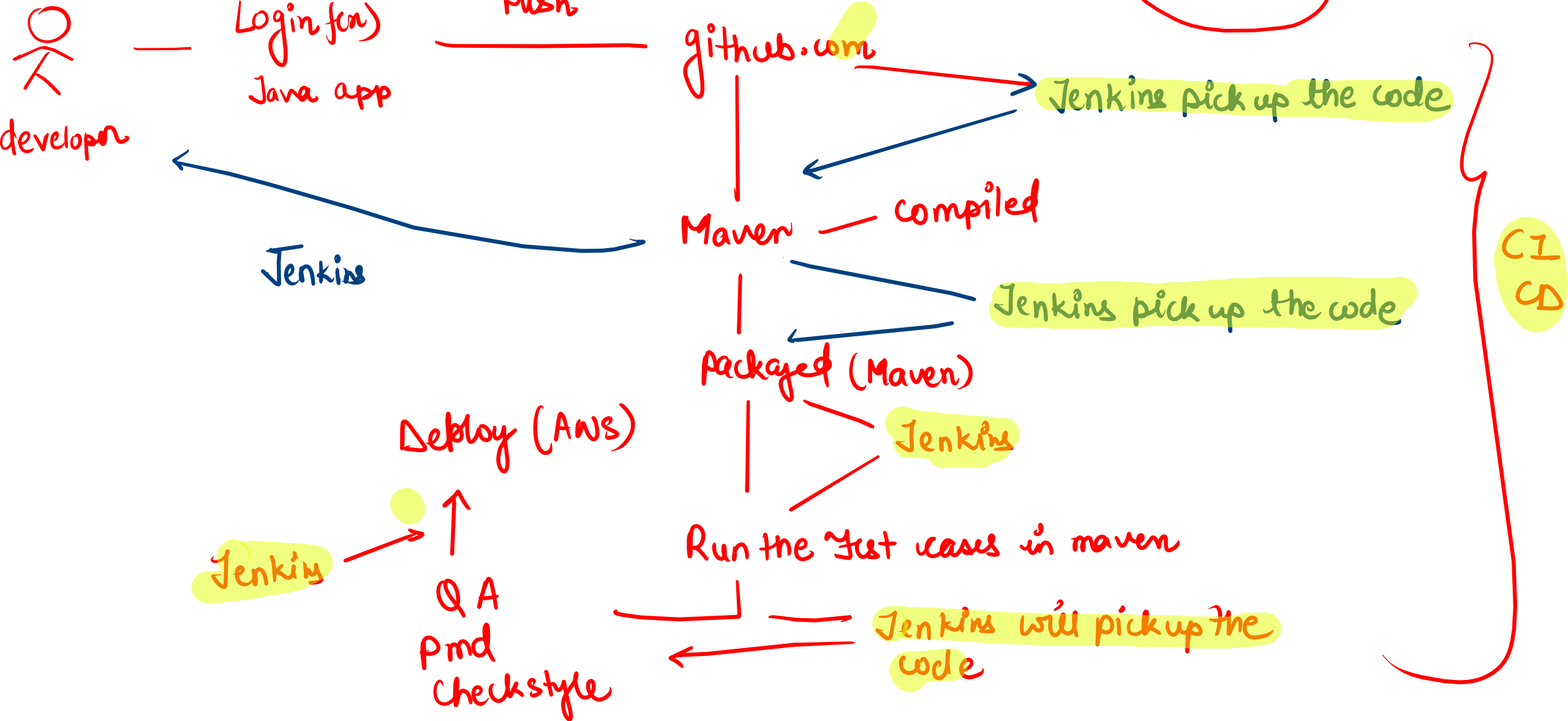


Open source automation CI/CD tool.



Like a waiter
which automates
your tasks in
restaurant.
Jenkins automates your
tasks in a Restaurant



Kitchen

Kitchen

Jenkins
logo



Burger

Mpmos

Jenkins

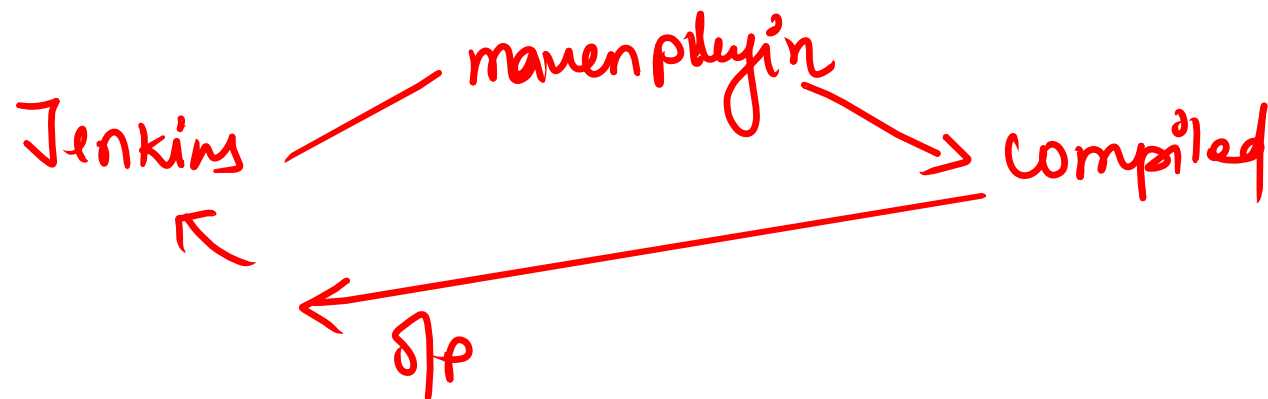
Open source CICA tool

with Jenkins we can automate Compile → packaging → test → QA

↓
Deploy
CS

developed by cloudbees.

Jenkins can integrate with multiple tools and get the task done



github.com

→ Jenkins

first Jenkins will clone
github Repo in Jenkins
workspace

Jenkins will go to maven &
execute maven goal.
mvn compile
mvn package

Jenkins will deploy project
on Tomcat

Installation of Jenkins — dependency — jdk 11 (discontinued)
jdk 17
jdk 21

Launch ubuntu cc2 machine

sudo su

wget https://raw.githubusercontent.com/akshu20791/Deployment-script/refs/heads/main/jenkins.sh

ls

you will see jenkins.sh

chmod 700 jenkins.sh

./jenkins.sh

jenkins default port

All

Images

Videos

Short videos

Shopping

News



AI Overview

हिं

En



Listen

The default port for Jenkins is **8080**. This is the standard applications, and Jenkins uses it to listen for incoming

Instances (1/1) [Info](#)

Last updated
4 minutes ago



[Connect](#)

Find Instance by attribute or tag (case-sensitive)

<input checked="" type="checkbox"/>	Name	Instance ID	Insta
<input checked="" type="checkbox"/>	jenkins-machine	i-018731f442c1ba110	<input checked="" type="checkbox"/> R

i-018731f442c1ba110 (jenkins-machine)

[Details](#)

[Status and alarms](#)

[Monitoring](#)

[Security](#)

[Ne](#)

▼ Instance summary [Info](#)

Instance ID

i-018731f442c1ba110

☒ Public IPv4 address copi
ed

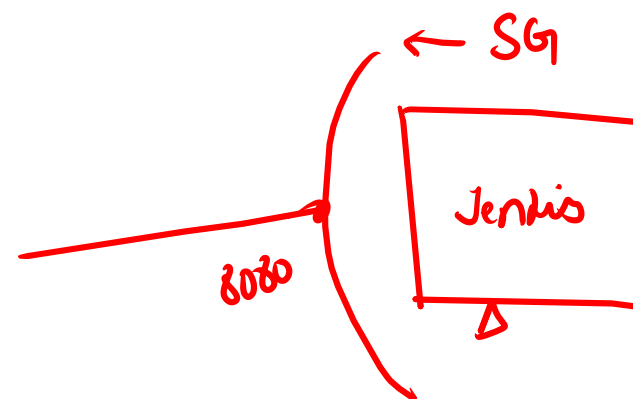
Public IPv4 address

18.144.46.71 | [open address](#)

Publicip: 8080

→ × <http://18.144.46.71:8080/>

It will not open



Allow
traffic coming from
port 8080

Find Instance by attribute or tag (case-sensitive)

<input checked="" type="checkbox"/>	Name	Instance ID	Instance state
<input checked="" type="checkbox"/>	jenkins-machine	i-018731f442c1ba110	Running

i-018731f442c1ba110 (jenkins-machine)

Details | Status and alarms | Monitoring | **Security** | Networking

▼ Security details

IAM Role

—

Owner ID

842675971959

Security groups

sg-0742ed47395aad7c7 (launch-wizard-2)

Edit Inbound Rule

Security group rule ID	Type <small>Info</small>	Protocol <small>Info</small>	Port range <small>Info</small>	Source <small>Info</small>	Description - optional <small>Info</small>
sgr-042e61efb8902f1cb	SSH	TCP	22	Cu... <input type="text"/>	<input type="text"/>
—	Custom TCP	TCP	8080	A... <input type="text"/>	<input type="text"/>

Rules with source of 0.0.0.0/0 or ::/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

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

password file

cat

```
root@ip-172-31-21-121:/home/ubuntu# cat /var/lib/jenkins/secrets/initialAdminPassword
e5fe374463c642cb8ea74a91eb1b58f3
root@ip-172-31-21-121:/home/ubuntu#
```


Copy the password & ^{put} ~~save~~ it in Jenkins. GUI

Getting Started

Customize Jenkins

Plugins extend Jenkins with additional features to support many different needs.

Install suggested plugins

Install plugins the Jenkins community finds most useful.

Select plugins to install

Select and install plugins most suitable for your needs.

→ plugins increase functionality of Jenkins

Getting Started

Username

admin

Password

.....

Confirm password

.....

Full name

admin

E-mail address

admin@gmail.com

Save & continue