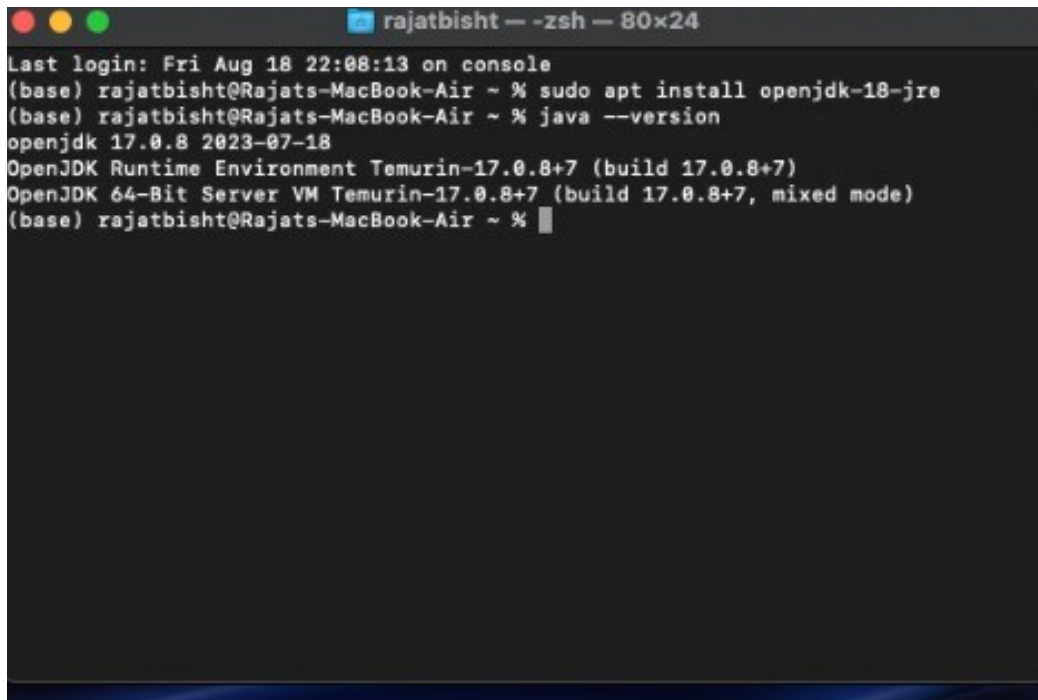


Lab-1

Step1 ->

Install JDK



```
rajatbisht — -zsh — 80x24
Last login: Fri Aug 18 22:08:13 on console
(base) rajatbisht@Rajats-MacBook-Air ~ % sudo apt install openjdk-18-jre
(base) rajatbisht@Rajats-MacBook-Air ~ % java --version
openjdk 17.0.8 2023-07-18
OpenJDK Runtime Environment Temurin-17.0.8+7 (build 17.0.8+7)
OpenJDK 64-Bit Server VM Temurin-17.0.8+7 (build 17.0.8+7, mixed mode)
(base) rajatbisht@Rajats-MacBook-Air ~ %
```

Step 2 -
> Install Git

```
Last login: Fri Aug 18 22:09:05 on ttys000
[(base) rajatbisht@Rajats-MacBook-Air ~ % git version
git version 2.39.2 (Apple Git-143)
[(base) rajatbisht@Rajats-MacBook-Air ~ % which git
/usr/bin/git
(base) rajatbisht@Rajats-MacBook-Air ~ % █
```

Step 3 - > Install Maven

```
(base) rajatbisht@Rajats-MacBook-Air ~ % brew install maven
maven 3.9.3 is already installed but outdated (so it will be upgraded).
==> Fetching dependencies for maven: harfbuzz and xz
==> Fetching harfbuzz
==> Downloading https://ghcr.io/v2/homebrew/core/harfbuzz/manifests/8.1.1
#####
==> Downloading https://ghcr.io/v2/homebrew/core/harfbuzz/blobs/sha256:8849b51933258f8135ca000b7125beffb8dd5d95673be2711648
#####
==> Fetching xz
==> Downloading https://ghcr.io/v2/homebrew/core/xz/manifests/5.4.4
#####
==> Downloading https://ghcr.io/v2/homebrew/core/xz/blobs/sha256:ba318d89eea54f33cc3613b1cb69ca4217a8f961e59026418e569e8422
#####
==> Fetching maven
==> Downloading https://ghcr.io/v2/homebrew/core/maven/manifests/3.9.4
#####
==> Downloading https://ghcr.io/v2/homebrew/core/maven/blobs/sha256:e8085eef66d6f9f1a0fbb4d9aeece516e325667a2b20ab9f089bcc
#####
==> Upgrading maven
3.9.3 -> 3.9.4

==> Installing dependencies for maven: harfbuzz and xz
==> Installing maven dependency: harfbuzz
==> Pouring harfbuzz--8.1.1.arm64_ventura.bottle.tar.gz
🍺 /opt/homebrew/Cellar/harfbuzz/8.1.1: 76 files, 9.1MB
==> Installing maven dependency: xz
==> Pouring xz--5.4.4.arm64_ventura.bottle.tar.gz
🍺 /opt/homebrew/Cellar/xz/5.4.4: 163 files, 2.6MB
==> Installing maven
==> Pouring maven--3.9.4.arm64_ventura.bottle.tar.gz
🍺 /opt/homebrew/Cellar/maven/3.9.4: 92 files, 10.3MB
==> Running 'brew cleanup maven'...
Disable this behaviour by setting HOMEBREW_NO_INSTALL_CLEANUP.
Hide these hints with HOMEBREW_NO_ENV_HINTS (see `man brew`).
Removing: /opt/homebrew/Cellar/maven/3.9.3... (92 files, 10.3MB)
Removing: /Users/rajatbisht/Library/Caches/Homebrew/maven--3.9.3... (8.9MB)
(base) rajatbisht@Rajats-MacBook-Air ~ % mvn --version
Apache Maven 3.9.4 (dfbb324ad4a7c8fb0bf182e6d91b0ae20e3d2dd9)
Maven home: /opt/homebrew/Cellar/maven/3.9.4/libexec
Java version: 20.0.1, vendor: Homebrew, runtime: /opt/homebrew/Cellar/openjdk/20.0.1/libexec/openjdk.jdk/Contents/Home
Default locale: en_IN, platform encoding: UTF-8
OS name: "mac os x", version: "13.4.1", arch: "aarch64", family: "mac"
(base) rajatbisht@Rajats-MacBook-Air ~ %
```

Step 4 - > Install Jenkins

```
(base) rajatbisht@Rajats-MacBook-Air ~ % brew install jenkins-lts
==> Fetching dependencies for jenkins-lts: openjdk@17
==> Fetching openjdk@17
==> Downloading https://ghcr.io/v2/homebrew/core/openjdk/17/manifests/17.0.8
#####
==> Downloading https://ghcr.io/v2/homebrew/core/openjdk/17/blobs/sha256:2495d8a180661305d71a66c18bc93b245709b7decd20d2d6fafcb8875ed9df6e
#####
==> Fetching jenkins-lts
==> Downloading https://ghcr.io/v2/homebrew/core/jenkins-lts/manifests/2.401.3
#####
==> Downloading https://ghcr.io/v2/homebrew/core/jenkins-lts/blobs/sha256:891b877d5ba9f0b33a57855a7d05df53bae339795ed2d219e5b8bc3a5bb5e5
#####
==> Installing dependencies for jenkins-lts: openjdk@17
==> Installing jenkins-lts dependency: openjdk@17
==> Pouring openjdk@17--17.0.8.arm64_ventura.bottle.tar.gz
🍺 /opt/homebrew/Cellar/openjdk@17/17.0.8: 635 files, 305MB
==> Installing jenkins-lts
==> Pouring jenkins-lts--2.401.3.arm64_ventura.bottle.tar.gz
==> Caveats
Note: When using launchctl the port will be 8080.

To start jenkins-lts now and restart at login:
brew services start jenkins-lts
Or, if you don't want/need a background service you can just run:
/opt/homebrew/opt/openjdk@17/bin/java -Dmail.smtp.starttls.enable=true -jar /opt/homebrew/opt/jenkins-lts/libexec/jenkins.war --httpListenAddress=127.0.0.1 --httpPort=8080
==> Summary
🍺 /opt/homebrew/Cellar/jenkins-lts/2.401.3: 8 files, 97.1MB
==> Running 'brew cleanup jenkins-lts'...
Disable this behaviour by setting HOMEBREW_NO_INSTALL_CLEANUP.
Hide these hints with HOMEBREW_NO_ENV_HINTS (see 'man brew').
==> Caveats
==> jenkins-lts
Note: When using launchctl the port will be 8080.

To start jenkins-lts now and restart at login:
brew services start jenkins-lts
Or, if you don't want/need a background service you can just run:
/opt/homebrew/opt/openjdk@17/bin/java -Dmail.smtp.starttls.enable=true -jar /opt/homebrew/opt/jenkins-lts/libexec/jenkins.war --httpListenAddress=127.0.0.1 --httpPort=8080
(base) rajatbisht@Rajats-MacBook-Air ~ % brew services start jenkins-lts

==> Tapping homebrew/services
Cloning into '/opt/homebrew/Library/Taps/homebrew/homebrew-services'...
remote: Enumerating objects: 2478, done.
remote: Counting objects: 100% (231/231), done.
remote: Compressing objects: 100% (118/118), done.
remote: Total 2478 (delta 141), reused 135 (delta 113), pack-reused 2247
Receiving objects: 100% (2478/2478), 686.21 KiB | 2.34 MiB/s, done.
Resolving deltas: 100% (1141/1141), done.
Tapped 1 command (46 files, 865.4KB).
==> Successfully started 'jenkins-lts' (label: homebrew.mxcl.jenkins-lts)
(base) rajatbisht@Rajats-MacBook-Air ~ % sudo cat /Users/rajatbisht/.jenkins/secrets/initialAdminPassword
Password:
ff1bb96c0d6d4046be1c07573971c5ed
(base) rajatbisht@Rajats-MacBook-Air ~ % jenkins --version
zsh: command not found: jenkins
(base) rajatbisht@Rajats-MacBook-Air ~ % brew services start jenkins-lts
```

Step 5 -

The screenshot shows the Jenkins Dashboard in a web browser. The browser's address bar indicates the URL is localhost:8080. The Jenkins logo is in the top left, and a search bar is in the top right. The left sidebar contains navigation links: New Item, People, Build History, Manage Jenkins, and My Views. Below these are two expandable sections: 'Build Queue' (showing 'No builds in the queue') and 'Build Executor Status' (showing two idle executors). The main content area has a 'Welcome to Jenkins!' message, explaining that this is where jobs are displayed and distributed builds can be set up. It includes a section 'Start building your software project' with a 'Create a job' button, and a section 'Set up a distributed build' with buttons for 'Set up an agent', 'Configure a cloud', and 'Learn more about distributed builds'. The bottom right corner shows 'REST API' and 'Jenkins 2.401.3'.

cloudflare-docs/content/pos x Pages x (39) domain transfer from f x jenkins version in mac - Go x macOS installers for Jenkins x Dashboard [Jenkins] x Viewing logs x Log in - Jenkins Jira x +

localhost:8080

Jenkins

Search (⌘+K)

Rajat bisht log out

Dashboard >

+ New Item

People

Build History

Manage Jenkins

My Views

Build Queue ▾

No builds in the queue.

Build Executor Status ▾

1 Idle

2 Idle

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 ↗

REST API Jenkins 2.401.3