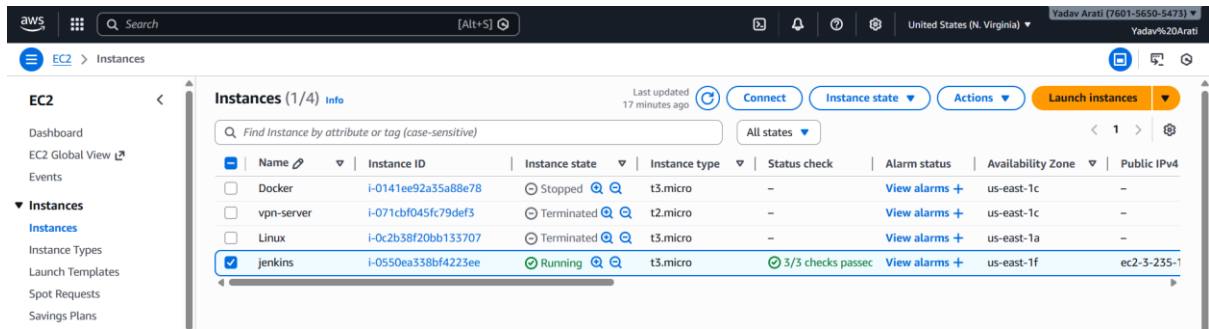


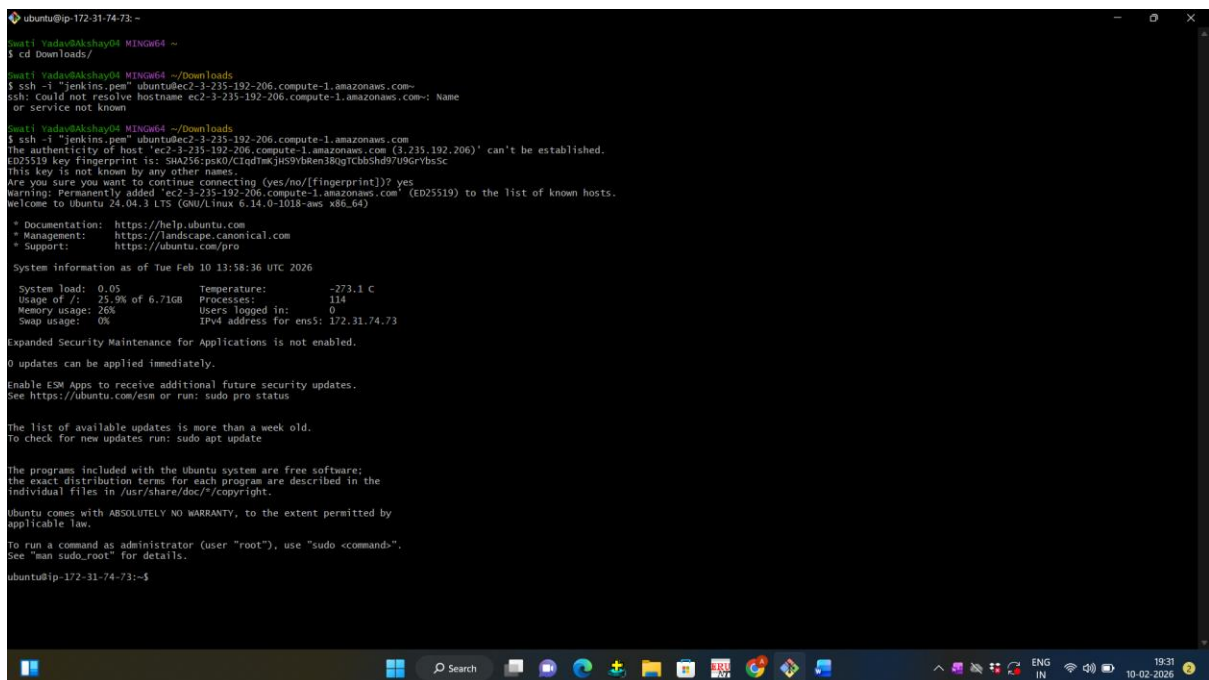
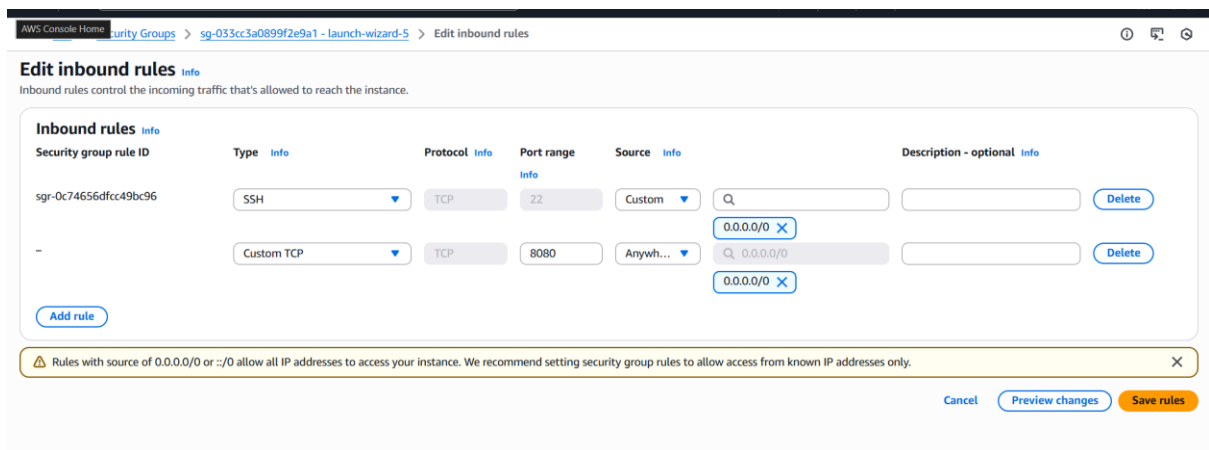
Installation of Jenkins

Create EC2 Instance



Cd Downloads/

ssh -i "jenkins.pem" ubuntu@ec2-3-235-192-206.compute-1.amazonaws.com



sudo apt update

sudo apt install fontconfig openjdk-21-jre

```
ubuntu@ip-172-31-74-73:~$ sudo apt install fontconfig openjdk-21-jre
Adding debian:SecureSign_Public_Server_Authentication_Root_R46.pem
Adding debian:SecureSign_RootCA1.pem
Adding debian:SecureTrust_CA.pem
Adding debian:Secure_Global_CA.pem
Adding debian:Security_Communication_ECC_RootCA1.pem
Adding debian:Security_Communication_RootCA2.pem
Adding debian:Security_Communication_RootCA3.pem
Adding debian:Security_Communication_Root_CA.pem
Adding debian:Starfield_Class_2_CA.pem
Adding debian:Starfield_Root_Certificate_Authority_-_G2.pem
Adding debian:Starfield_Services_Root_Certificate_Authority_-_G2.pem
Adding debian:SwissSign_Gold_CA_-_G2.pem
Adding debian:SwissSign_Silver_CA_-_G2.pem
Adding debian:T-TeleSec_GlobalRoot_Class_2.pem
Adding debian:T-TeleSec_GlobalRoot_Class_3.pem
Adding debian:TUBITAK_Kamu_SM_SSL_Kok_Sertifikasi_-_Surum_1.pem
Adding debian:TWCA_Global_Root_CA.pem
Adding debian:TWCA_Root_Certification_Authority.pem
Adding debian:TeliaSonera_Root_CA_v1.pem
Adding debian:Telia_Root_CA_v2.pem
Adding debian:TrustAsia_Global_Root_CA_G3.pem
Adding debian:TrustAsia_Global_Root_CA_G4.pem
Adding debian:Trustwave_Global_Certification_Authority.pem
Adding debian:Trustwave_Global_ECC_P256_Certification_Authority.pem
Adding debian:Trustwave_Global_ECC_P384_Certification_Authority.pem
Adding debian:TunTrust_Root_CA.pem
Adding debian:UCA_Extended_Validation_Root.pem
Adding debian:UCA_Global_G2_Root.pem
Adding debian:USERTrust_ECC_Certification_Authority.pem
Adding debian:USERTrust_RSA_Certification_Authority.pem
Adding debian:xmmp_Global_CA_Root.pem
Adding debian:certSIGN_Root_CA.pem
Adding debian:certSIGN_Root_CA_G2.pem
Adding debian:e-sign_Root_CA_2017.pem
Adding debian:ePKI_Root_Certification_Authority.pem
Adding debian:emSign_ECC_Root_CA_-_C3.pem
Adding debian:emSign_ECC_Root_CA_-_G3.pem
Adding debian:emSign_Root_CA_-_C1.pem
Adding debian:emSign_Root_CA_-_G1.pem
Adding debian:vTrus_ECC_Root_CA.pem
Adding debian:vTrus_Root_CA.pem
done.
Setting up openjdk-21-jre:amd64 (21.0.10-7-1-24.04) ...
Processing triggers for libc-bin (2.39-0ubuntu8.6) ...
Processing triggers for libgdk-pixbuf-2.0-0:amd64 (2.42.10+dfsg-3ubuntu3.2) ...
Scanning processes...
Running kernel seems to be up-to-date.
No services need to be restarted.
No containers need to be restarted.
No user sessions are running outdated binaries.
No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-172-31-74-73:~$
```

java -version

```
ubuntu@ip-172-31-74-73:~$ java -version
openjdk version "21.0.10" 2026-01-20
OpenJDK Runtime Environment (build 21.0.10+7-Ubuntu-124.04)
OpenJDK 64-Bit Server VM (build 21.0.10+7-Ubuntu-124.04, mixed mode, sharing)
ubuntu@ip-172-31-74-73:~$
```

```
sudo wget -O /etc/apt/keyrings/jenkins-keyring.asc \
https://pkg.jenkins.io/debian-stable/jenkins.io-2026.key
echo "deb [signed-by=/etc/apt/keyrings/jenkins-keyring.asc]" \
https://pkg.jenkins.io/debian-stable binary/ | sudo tee \
/etc/apt/sources.list.d/jenkins.list > /dev/null
sudo apt update
sudo apt install Jenkins
```

```
ubuntu@ip-172-31-74-73:~$
length: 1680 (1.6K) [application/octet-stream]
saving to: '/etc/apt/keyrings/jenkins-keyring.asc'
/etc/apt/keyrings/jenkins-keyring.asc 100%[=====] 1.64K --.-KB/s in 0s
2026-02-10 14:04:52 (16.2 MB/s) - '/etc/apt/keyrings/jenkins-keyring.asc' saved [1680/1680]
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble InRelease
Hit:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease
Hit:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease
Hit:4 http://security.ubuntu.com/ubuntu noble-security InRelease
Ign:5 https://pkg.jenkins.io/debian-stable binary/ InRelease
Get:6 https://pkg.jenkins.io/debian-stable binary/ Release [2044 B]
Get:7 https://pkg.jenkins.io/debian-stable binary/ Release.gpg [833 B]
Get:8 https://pkg.jenkins.io/debian-stable binary/ Packages [30.5 kB]
Fetched 33.4 kB in 1s (53.1 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
81 packages can be upgraded. Run 'apt list --upgradable' to see them.
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  net-tools
The following NEW packages will be installed:
  jenkins net-tools
0 upgraded, 2 newly installed, 0 to remove and 81 not upgraded.
Need to get 96.0 MB of archives.
After this operation, 97.2 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 net-tools amd64 2.10-0.1ubuntu4.4 [204 kB]
Get:2 https://pkg.jenkins.io/debian-stable binary/ jenkins 2.541.1 [95.8 MB]
Fetched 96.0 MB in 4s (25.4 MB/s)
Selecting previously unselected package net-tools.
(Reading database ... 86363 files and directories currently installed.)
Preparing to unpack .../net-tools-2.10-0.1ubuntu4.4.amd64.deb ...
Unpacking net-tools (2.10-0.1ubuntu4.4) ...
Selecting previously unselected package jenkins.
Preparing to unpack .../jenkins-2.541.1.all.deb ...
Unpacking jenkins (2.541.1) ...
Setting up net-tools (2.10-0.1ubuntu4.4) ...
Setting up jenkins (2.541.1) ...
Created symlink /etc/systemd/system/multi-user.target.wants/jenkins.service -> /usr/lib/systemd/system/jenkins.service.
Processing triggers for man-db (2.12.0-4build2) ...
Scanning processes...
Scanning linux images...

Running kernel seems to be up-to-date.

No services need to be restarted.

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-172-31-74-73:~$
```

sudo systemctl start Jenkins

```
ubuntu@ip-172-31-74-73:~$ sudo systemctl start jenkins
ubuntu@ip-172-31-74-73:~$ sudo systemctl status jenkins
● jenkins.service - Jenkins Continuous Integration Server
   Loaded: loaded (/usr/lib/systemd/system/jenkins.service; enabled; preset: enabled)
   Active: active (running) since Tue 2026-02-10 14:05:15 UTC; 1min 26s ago
     Main PID: 4288 (java)
       Tasks: 37 (limit: 1008)
     Memory: 292.7M (peak: 311.9M)
        CPU: 16.784s
     CGroup: /system.slice/jenkins.service
             └─3288 /usr/bin/java -Djava.awt.headless=true -jar /usr/share/java/jenkins.war --webroot=/var/cache/jenkins/war --httpPort=8080

Feb 10 14:05:11 ip-172-31-74-73 jenkins[4288]: [F]> This may also be found at: /var/lib/jenkins/secrets/initialAdminPassword
Feb 10 14:05:11 ip-172-31-74-73 jenkins[4288]: [F]>
Feb 10 14:05:11 ip-172-31-74-73 jenkins[4288]: [F]> =====
Feb 10 14:05:11 ip-172-31-74-73 jenkins[4288]: [F]> =====
Feb 10 14:05:15 ip-172-31-74-73 jenkins[4288]: 2026-02-10 14:05:15.175+0000 [id=33] INFO jenkins.InitReactorRunner$1onAttained: Completed initialization
Feb 10 14:05:15 ip-172-31-74-73 jenkins[4288]: 2026-02-10 14:05:15.195+0000 [id=24] INFO hudson.lifecycle.Lifecycle$onReady: Jenkins is fully up and running
Feb 10 14:05:15 ip-172-31-74-73 systemd[1]: Started jenkins.service - Jenkins Continuous Integration Server.
Feb 10 14:05:15 ip-172-31-74-73 jenkins[4288]: 2026-02-10 14:05:15.271+0000 [id=50] INFO h.m.DownloadService$Downloadable$load: Obtained the updated data file for hudson.tasks.Maven.MavenInstaller
Feb 10 14:05:15 ip-172-31-74-73 jenkins[4288]: 2026-02-10 14:05:15.271+0000 [id=50] INFO hudson.util.Retrier$start: Performed the action check updates server successfully at the attempt #1
ubuntu@ip-172-31-74-73:~$
```

3.235.192.206:8080

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

```
sudo cat /var/lib/jenkins/secrets/initialAdminPassword
```

Administrator Password : ad012401677e484cb528f0b56bb07909

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.

Jenkins 2.541.1

Getting Started

Jenkins is ready!

You have skipped the **setup of an admin user**.

To log in, use the username: "admin" and the administrator password you used to access the setup wizard.

Your Jenkins setup is complete.

Start using Jenkins

The screenshot shows the Jenkins dashboard in a web browser. The browser's address bar displays "Not secure" and the URL "3.235.192.206:8080". The Jenkins logo is in the top left corner. Below it, there are links for "New Item" and "Build History". On the left side, there are two status boxes: "Build Queue" showing "No builds in the queue." and "Build Executor Status" showing "0/2". The main content area has a "Welcome to Jenkins!" message, followed by instructions on where jobs are displayed and how to start building. There are three main action buttons: "Create a job", "Set up a distributed build" (which includes "Set up an agent", "Configure a cloud", and "Learn more about distributed builds"). The bottom right corner shows "REST API" and "Jenkins 2.541.1". The Windows taskbar is visible at the very bottom, showing the Start button, Search, and various application icons.

Instances | EC2 | us-east-1 | Linux | Dashboard - Jenkins | Jenkins Permission Issue | +

Not secure 3.235.192.206:8080

Jenkins

+ New Item

Build History

Build Queue

No builds in the queue.

Build Executor Status 0/2

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 2.541.1