Jenkins Documentation
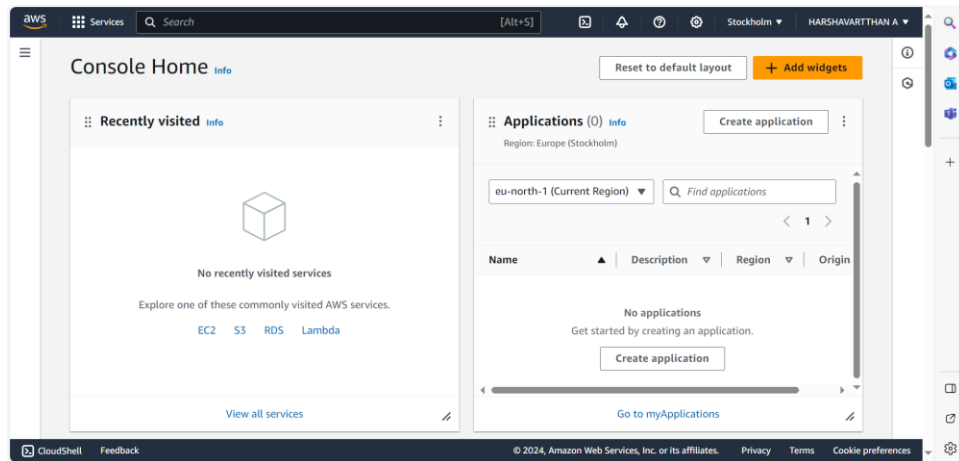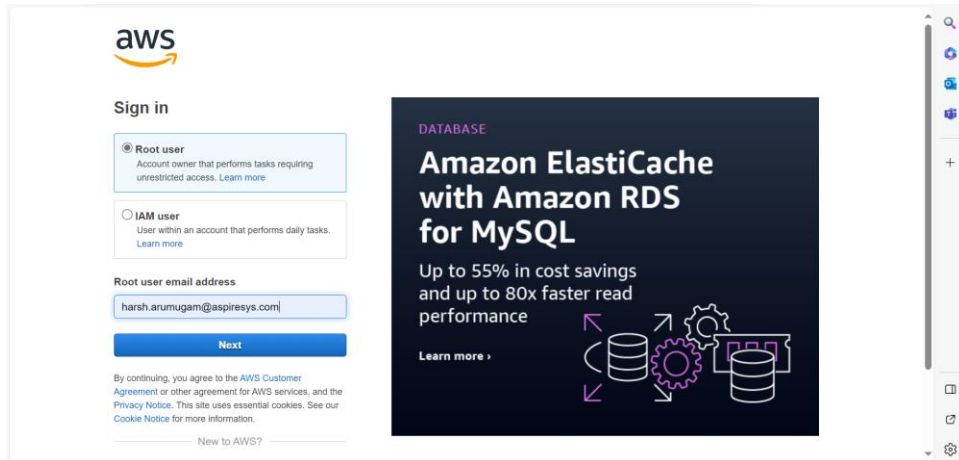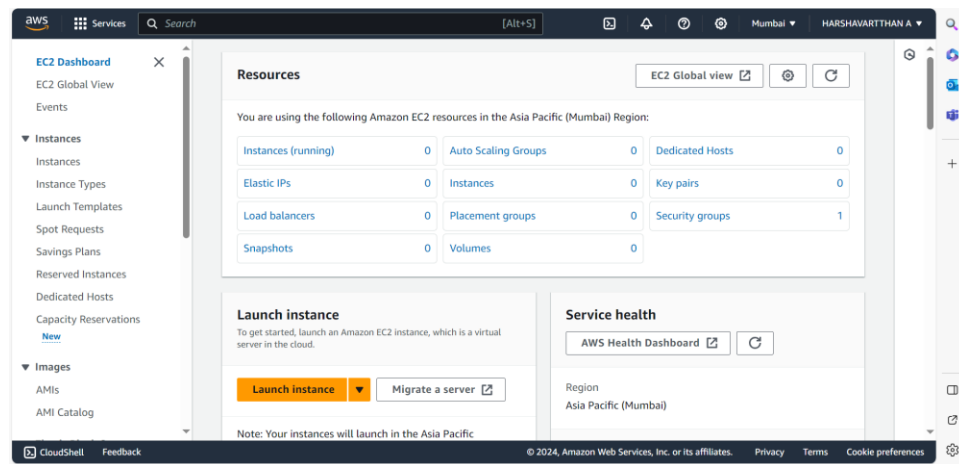
NAME: HARSHAVARTTHAN A
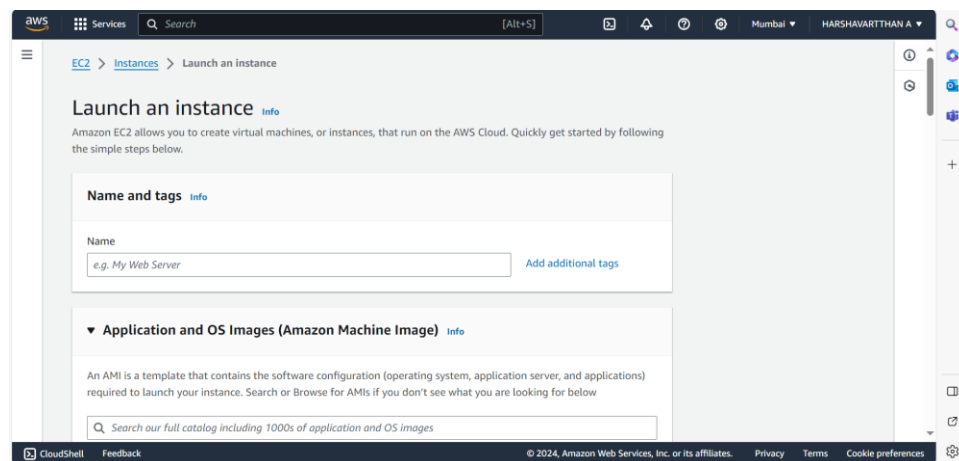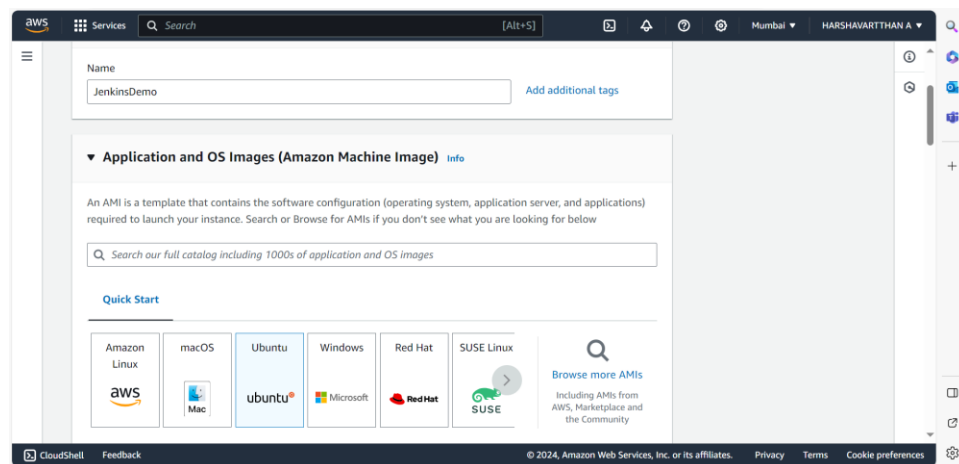
1) This is my AWS main Page

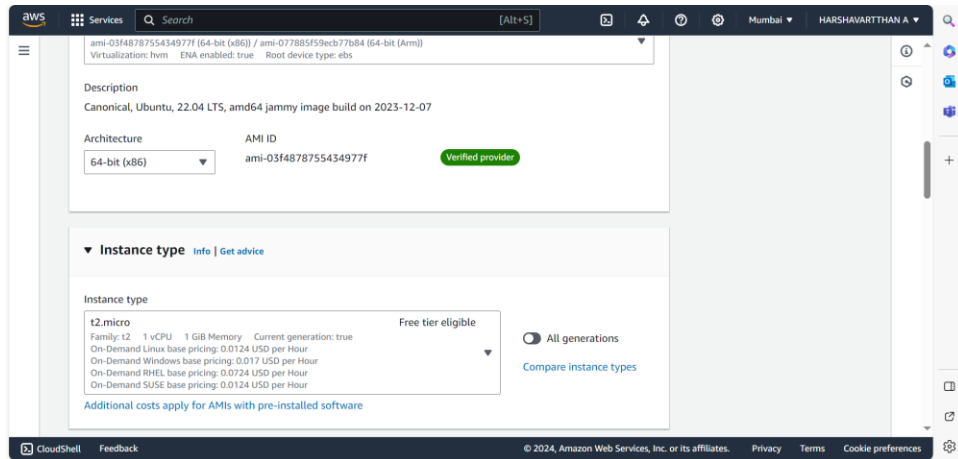2) Here I want to Launch an Instatnce
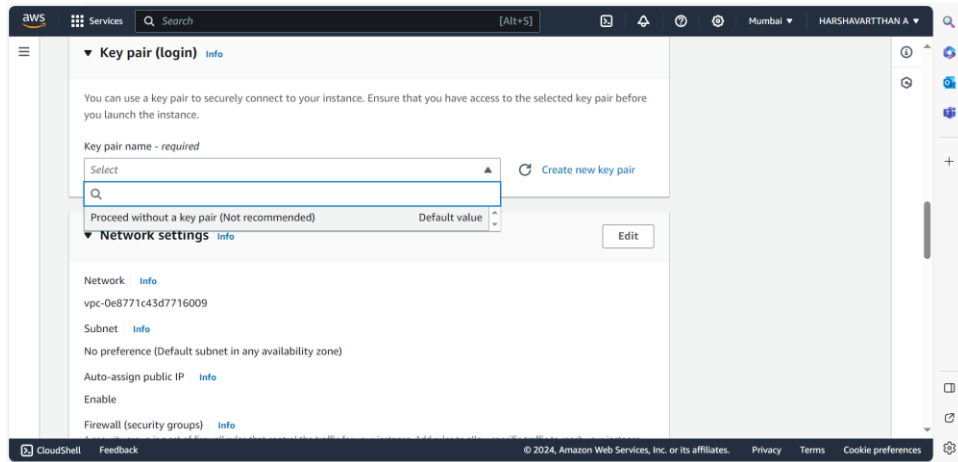

3) It is Launch an instance Page

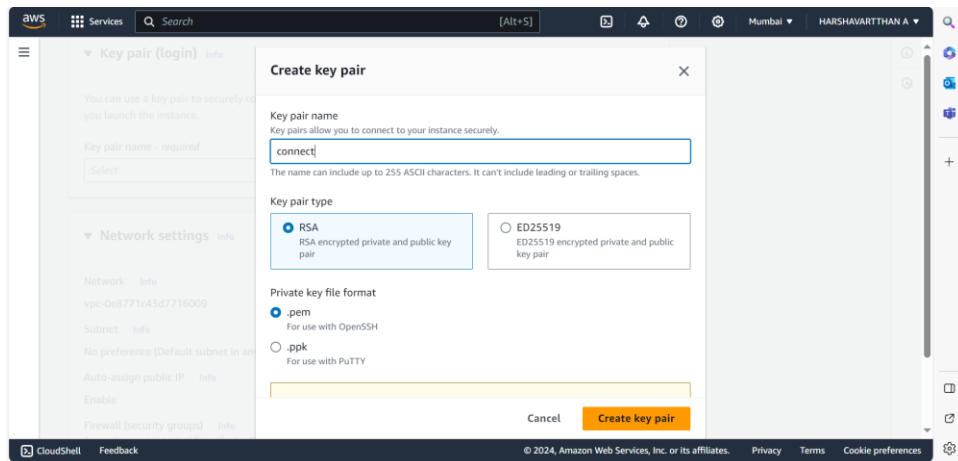4) Give name and choose Ubuntu
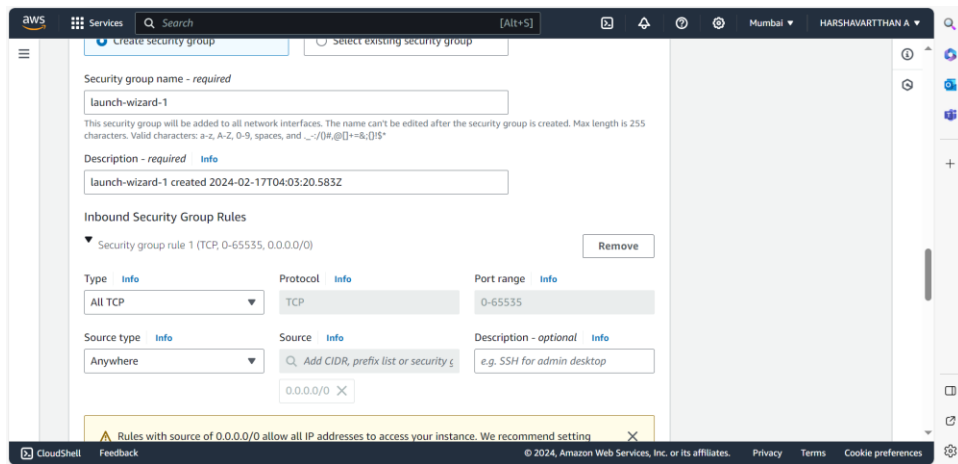
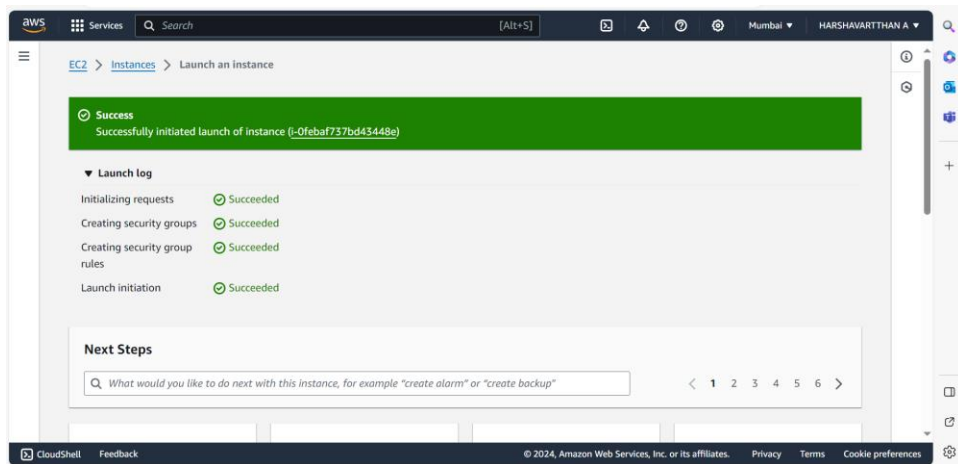5) Enter Key pair name. the uses of key pair name is for authentication

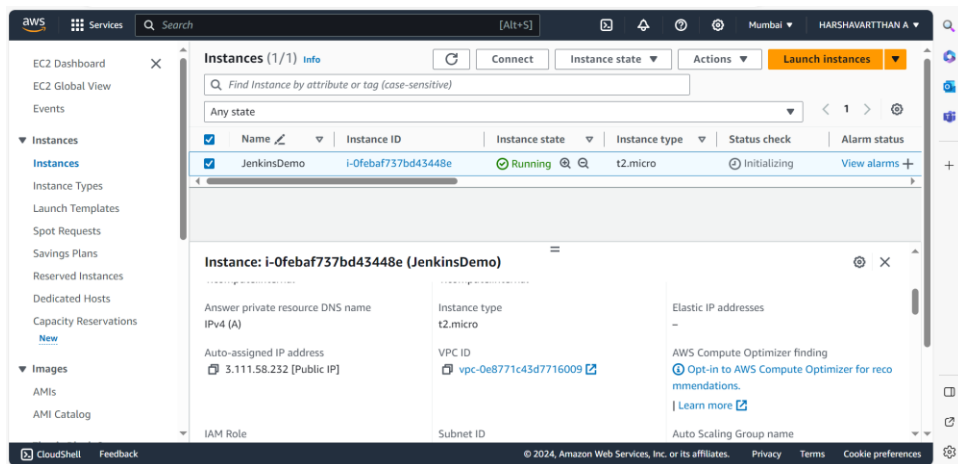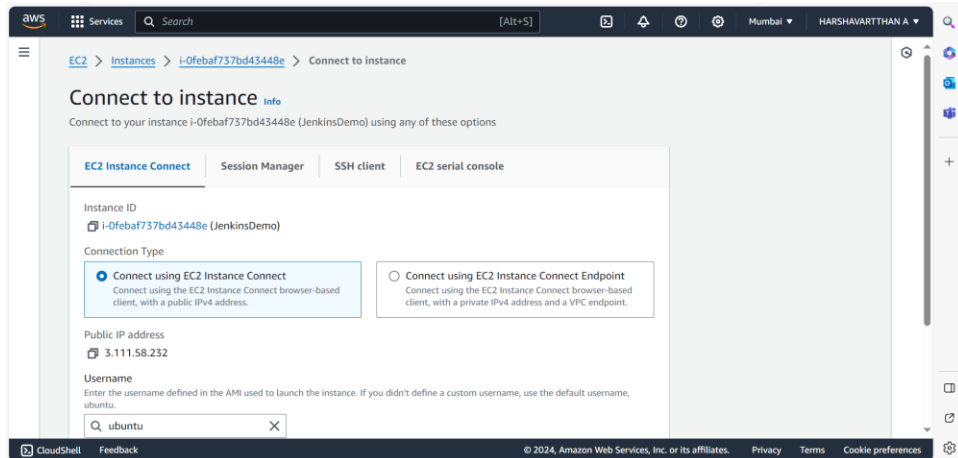6) Here I am giving as connect as key pair name.
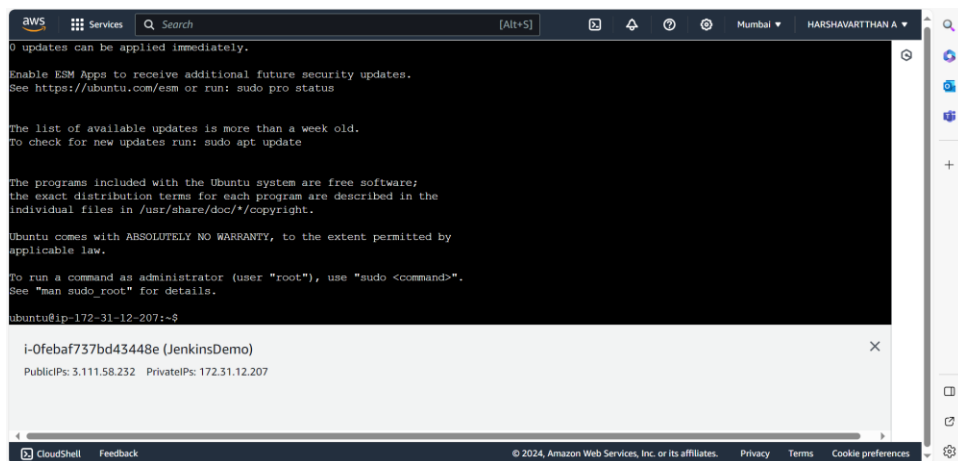
7) Here the instance launched successfully

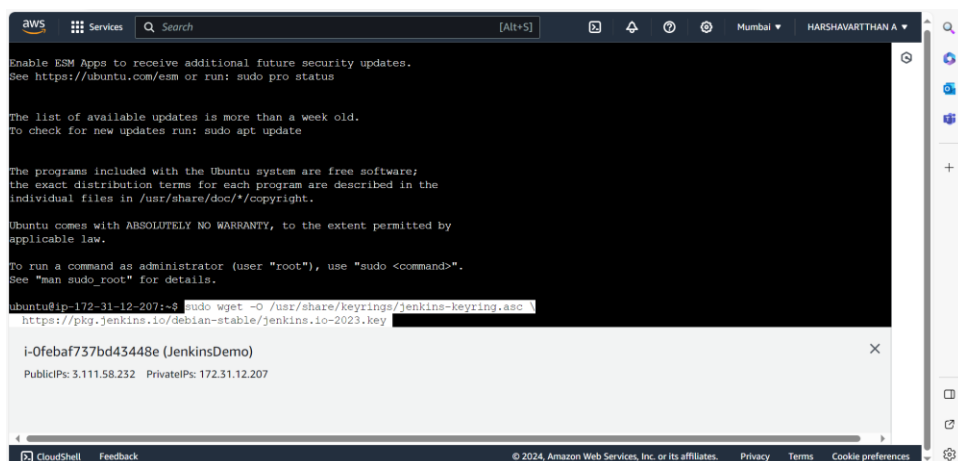8) Click on the instance and select Instance state and change to Start Running

9) Click on the Public IP Address and cmd get opened. Now we are installing Jenkins

10) Now I copied the command and pasted in cmd

11) From here I installed the Java

```
Get:25 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/main Translation-en [10.5 kB]
Get:26 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/main amd64 c-n-f Metadata [388 B]
Get:27 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/restricted amd64 c-n-f Metadata [116 B]
Get:28 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 Packages [24.3 kB]
Get:29 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe Translation-en [16.5 kB]
Get:30 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 c-n-f Metadata [644 B]
Get:31 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/multiverse amd64 c-n-f Metadata [116 B]
Get:32 https://pkg.jenkins.io/debian-stable binary/ Packages [26.2 kB]
Get:33 http://security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [1161 kB]
Get:34 http://security.ubuntu.com/ubuntu jammy-security/main Translation-en [213 kB]
Get:35 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 Packages [1401 kB]
Get:36 http://security.ubuntu.com/ubuntu jammy-security/restricted Translation-en [231 kB]
Get:37 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [842 kB]
Get:38 http://security.ubuntu.com/ubuntu jammy-security/universe Translation-en [161 kB]
Get:39 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 c-n-f Metadata [16.8 kB]
Get:40 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 Packages [37.1 kB]
Get:41 http://security.ubuntu.com/ubuntu jammy-security/multiverse Translation-en [7476 B]
Get:42 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 c-n-f Metadata [260 B]
Fetched 29.6 MB in 6s (5069 kB/s)
Reading package lists... Done
ubuntu@ip-172-31-12-207:~$ sudo apt update
```

i-0febaf737bd43448e (JenkinsDemo)

PublicIPs: 3.111.58.232   PrivateIPs: 172.31.12.207


```
Get:36 http://security.ubuntu.com/ubuntu jammy-security/restricted Translation-en [231 kB]
Get:37 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [842 kB]
Get:38 http://security.ubuntu.com/ubuntu jammy-security/universe Translation-en [161 kB]
Get:39 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 c-n-f Metadata [16.8 kB]
Get:40 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 Packages [37.1 kB]
Get:41 http://security.ubuntu.com/ubuntu jammy-security/multiverse Translation-en [7476 B]
Get:42 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 c-n-f Metadata [260 B]
Fetched 29.6 MB in 6s (5069 kB/s)
Reading package lists... Done
ubuntu@ip-172-31-12-207:~$ sudo apt update
Hit:1 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy InRelease
Hit:2 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-updates InRelease
Hit:3 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease
Ign:4 https://pkg.jenkins.io/debian-stable binary/ InRelease
Hit:5 https://pkg.jenkins.io/debian-stable binary/ Release
Hit:6 http://security.ubuntu.com/ubuntu jammy-security InRelease
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
74 packages can be upgraded. Run 'apt list --upgradable' to see them.
ubuntu@ip-172-31-12-207:~$ sudo apt install fontconfig openjdk-17-jre
```

i-0febaf737bd43448e (JenkinsDemo)

PublicIPs: 3.111.58.232   PrivateIPs: 172.31.12.207


```
Running hooks in /etc/ca-certificates/update.d...

done.
done.
Processing triggers for libglib2.0-0:amd64 (2.72.4-0ubuntu2.2) ...
Processing triggers for libc-bin (2.35-0ubuntu3.4) ...
Setting up at-spi2-core (2.44.0-3) ...
Processing triggers for libgdk-pixbuf-2.0-0:amd64 (2.42.8+dfsg-1ubuntu0.2) ...
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-172-31-12-207:~$ java -version
```

i-0febaf737bd43448e (JenkinsDemo)

PublicIPs: 3.111.58.232   PrivateIPs: 172.31.12.207

```
Processing triggers for libglib2.0-0:amd64 (2.72.4-0ubuntu2.2) ...
Processing triggers for libc-bin (2.35-0ubuntu3.4) ...
Setting up at-spi2-core (2.44.0-3) ...
Processing triggers for libgdk-pixbuf-2.0-0:amd64 (2.42.8+dfsg-1ubuntu0.2) ...
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-172-31-12-207:~$ java -version
openjdk version "17.0.9" 2023-10-17
OpenJDK Runtime Environment (build 17.0.9+9-Ubuntu-122.04)
OpenJDK 64-Bit Server VM (build 17.0.9+9-Ubuntu-122.04, mixed mode, sharing)
ubuntu@ip-172-31-12-207:~$ sudo apt-get install jenkins
```

i-0febaf737bd43448e (JenkinsDemo)   ✕

PublicIPs: 3.111.58.232   PrivateIPs: 172.31.12.207

```
Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

Last login: Sat Feb 17 04:15:50 2024 from 13.233.177.5
ubuntu@ip-172-31-12-207:~$ ^[[200~sudo wget -O /usr/share/keyrings/jenkins-keyring.asc \
>   https://pkg.jenkins.io/debian-stable/jenkins.io-2023.key~
sudo: command not found    sudo wget -O /usr/share/keyrings/jenkins-keyring.asc \
  https://pkg.jenkins.io/debian-stable/jenkins.io-2023.key/jenkins-keyring.asc \
--2024-02-17 04:35:55--  https://pkg.jenkins.io/debian-stable/jenkins.io-2023.key
Resolving pkg.jenkins.io (pkg.jenkins.io)... 151.101.154.133, 2a04:4e42:24::645
Connecting to pkg.jenkins.io (pkg.jenkins.io)|151.101.154.133|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 3175 (3.1K) [application/pgp-keys]
Saving to: '/usr/share/keyrings/jenkins-keyring.asc'

/usr/share/keyrin 100%[=============>]   3.10K  --.-KB/s    in 0s

2024-02-17 04:35:55 (31.5 MB/s) - '/usr/share/keyrings/jenkins-keyring.asc' saved [3175/3175]

ubuntu@ip-172-31-12-207:~$
```

i-0febaf737bd43448e (JenkinsDemo)   ✕

PublicIPs: 3.111.58.232   PrivateIPs: 172.31.12.207

```
              echo deb [signed-by=/usr/share/keyrings/jenkins-keyring.asc] \
https://pkg.jenkins.io/debian-stable binary/ | sudo tee /keyrings/jenkins-keyring.asc] \
/etc/apt/sources.list.d/jenkins.list > /dev/nullsudo tee \
buntu@ip-172-31-12-207:~$ enkins.list > /dev/null
buntu@ip-172-31-12-207:~$
buntu@ip-172-31-12-207:~$ sudo apt-get update
it:1 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy InRelease
it:2 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-updates InRelease
it:3 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease
gn:4 https://pkg.jenkins.io/debian-stable binary/ InRelease
it:5 https://pkg.jenkins.io/debian-stable binary/ Release
et:6 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
etched 110 kB in 1s (94.9 kB/s)
eading package lists... Done
buntu@ip-172-31-12-207:~$ sudo apt-get install jenkins
eading package lists... Done
uilding dependency tree... Done
eading state information... Done
enkins is already the newest version (2.426.3).
 upgraded, 0 newly installed, 0 to remove and 74 not upgraded.
buntu@ip-172-31-12-207:~$
```

i-0febaf737bd43448e (JenkinsDemo)   ✕

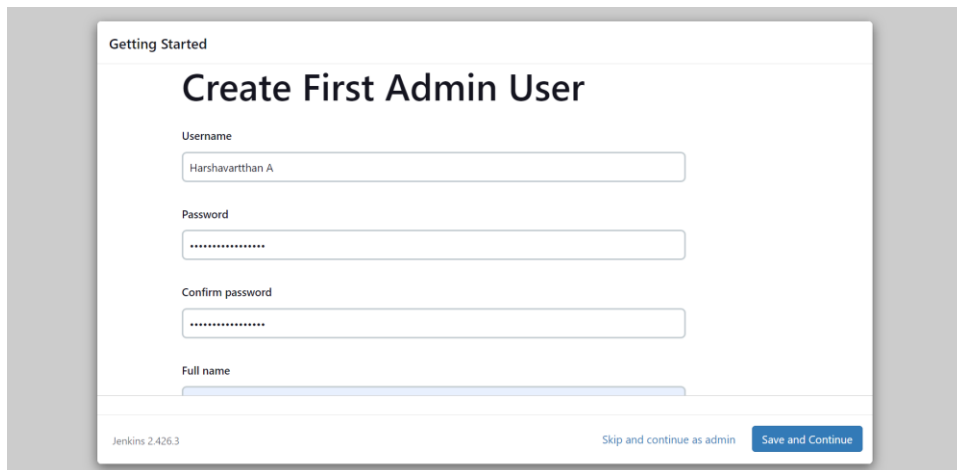PublicIPs: 3.111.58.232   PrivateIPs: 172.31.12.207

12) Here I am trying to start Jenkins

13) Click Install suggested plugins
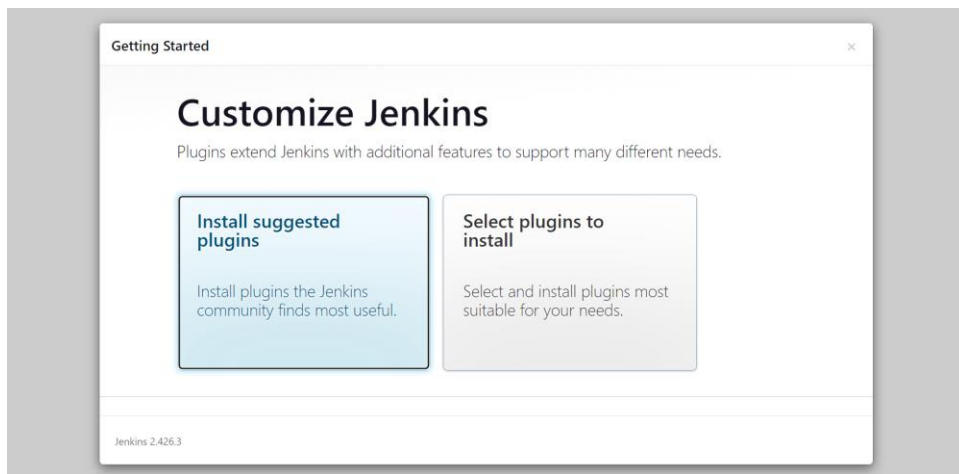
14) Now Jenkins is getting started.
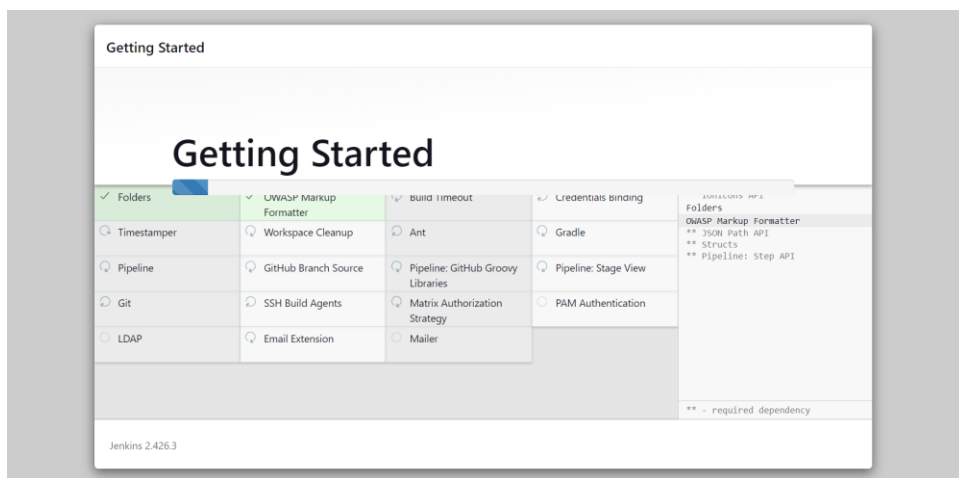
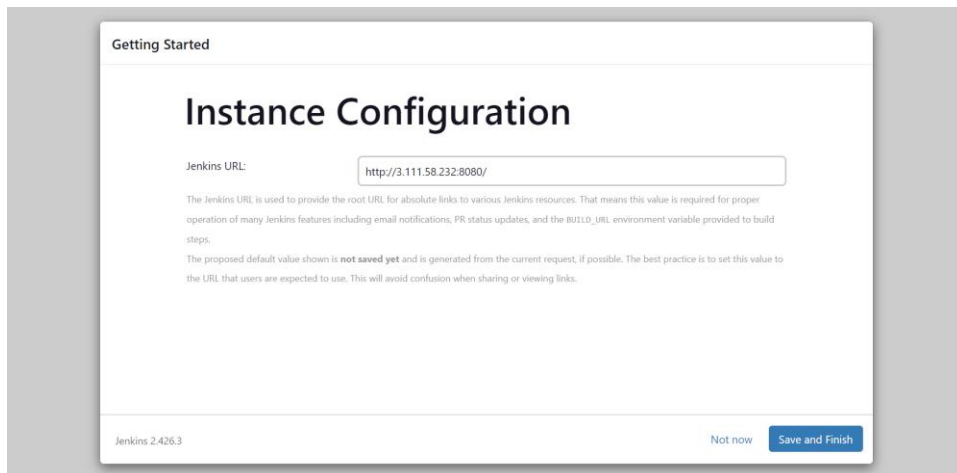15) Now I am creating my Jenkins Page

Create First Admin User

Username

Harshavartthan A

Password

·················

Confirm password

·················

Full name

Jenkins 2.426.3   Skip and continue as admin   Save and Continue
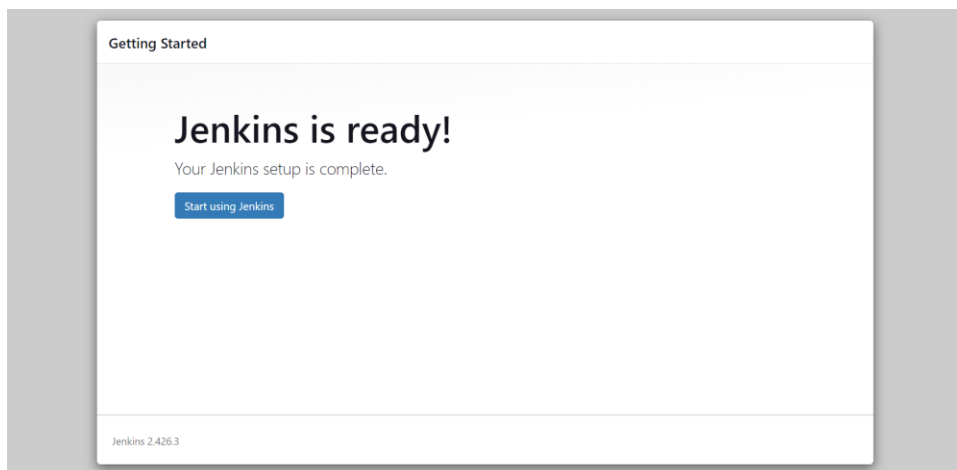
Instance Configuration

Jenkins URL: http://3.111.58.232:8080/

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 2.426.3   Not now   Save and Finish

Jenkins is ready!

Your Jenkins setup is complete.

Start using Jenkins

Jenkins 2.426.3

16) This is the main Page of Jenkins