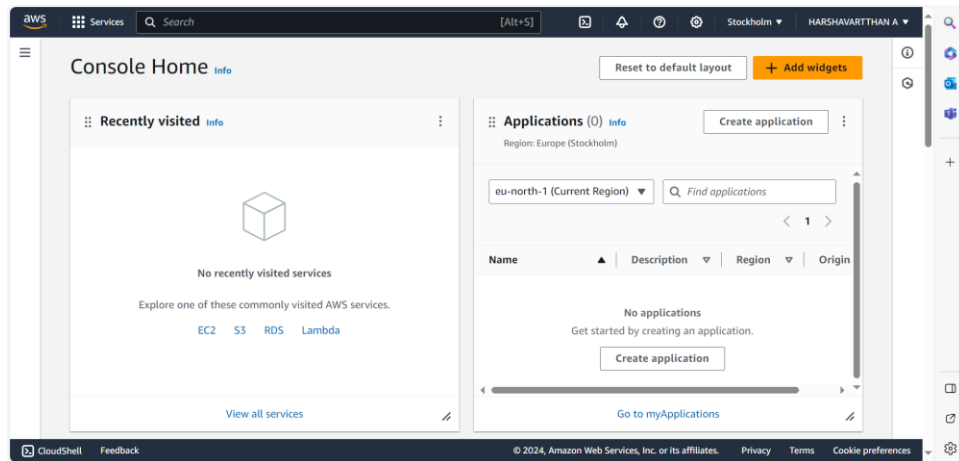
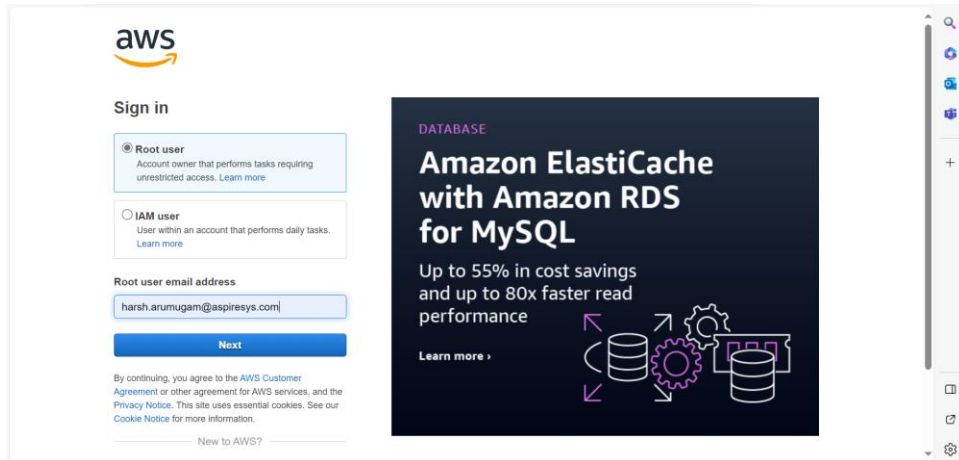


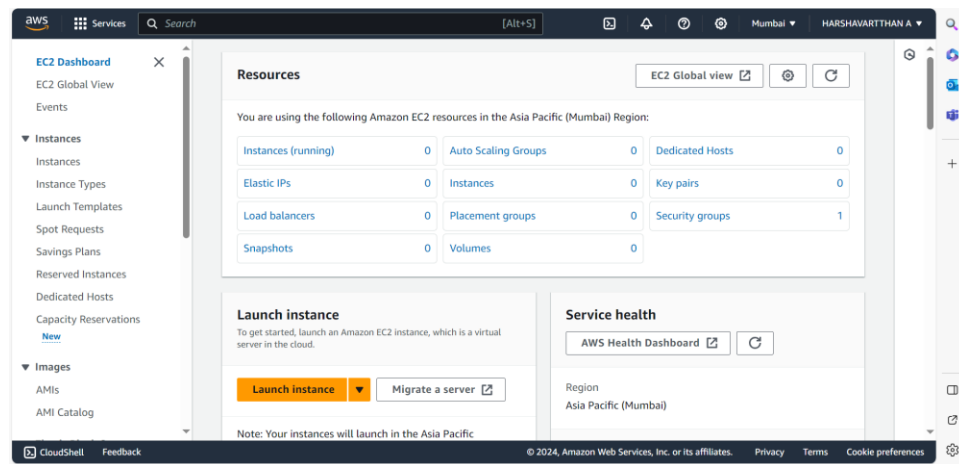
Jenkins Documentation

NAME: HARSHAVARTTHAN A

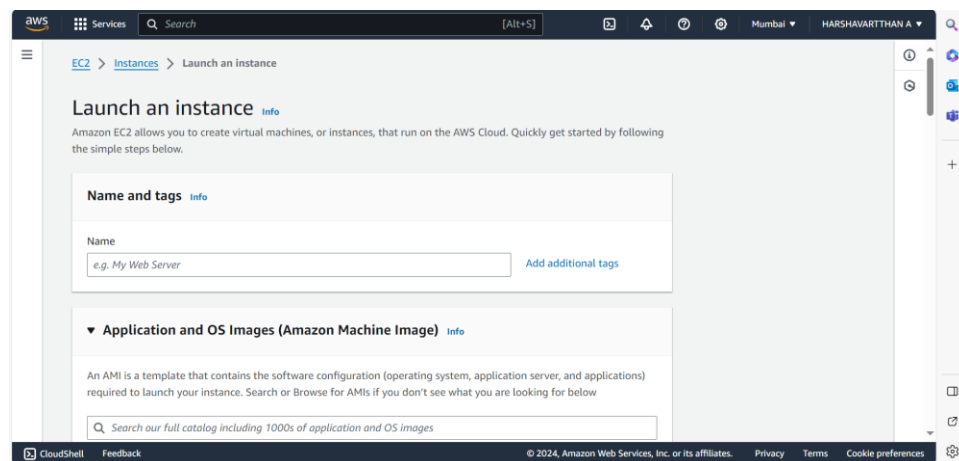
1) This is my AWS main Page



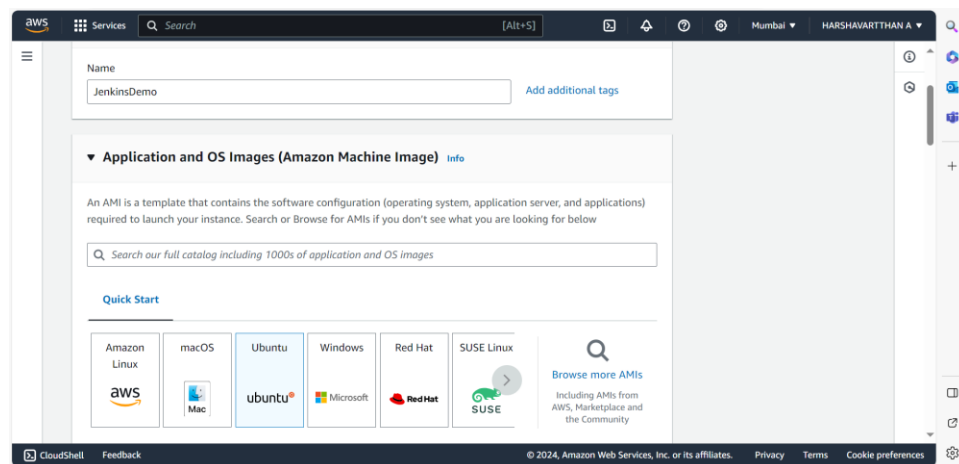
2) Here I want to Launch an Instance

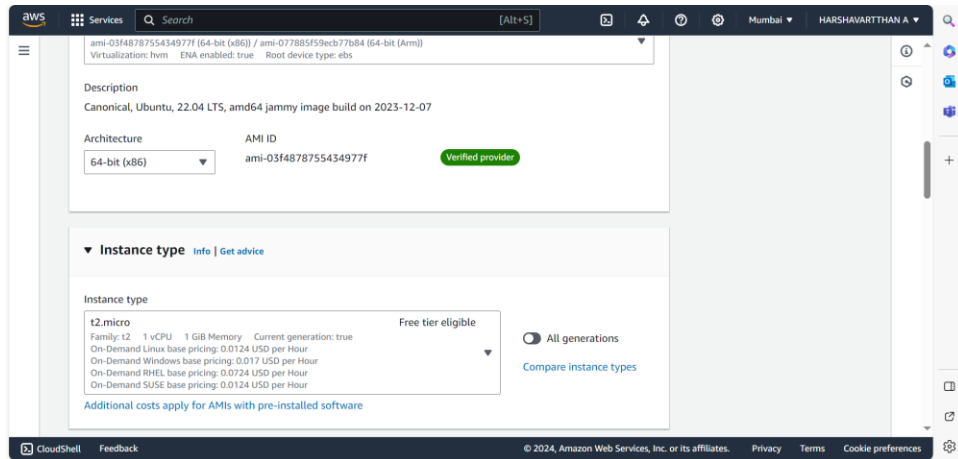


3) It is Launch an instance Page

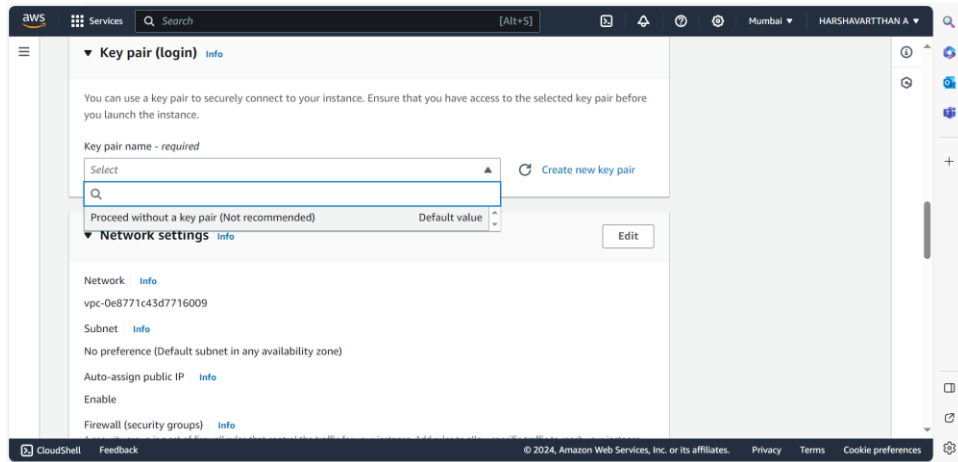


4) Give name and choose Ubuntu

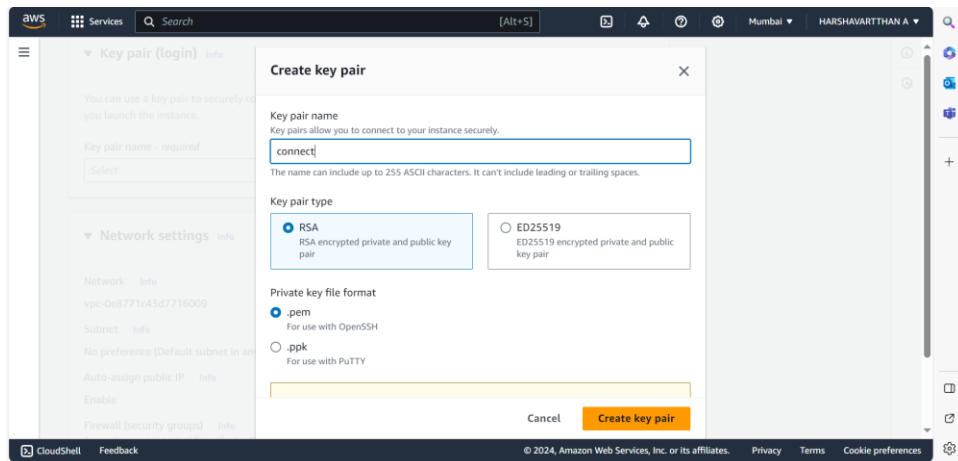


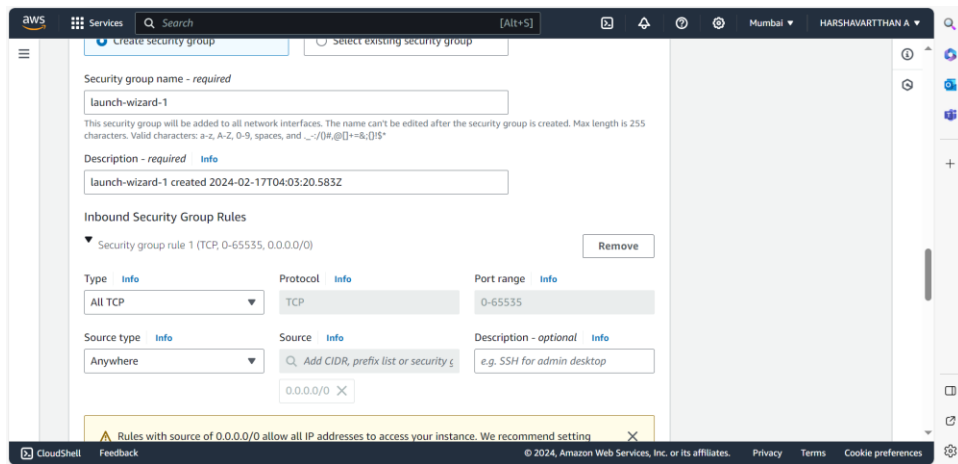


5) Enter Key pair name. the uses of key pair name is for authentication

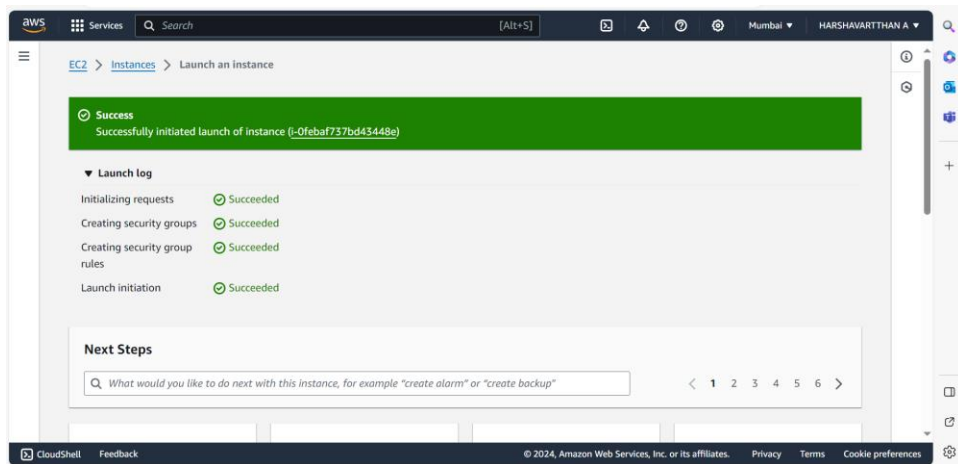


6) Here I am giving as connect as key pair name.

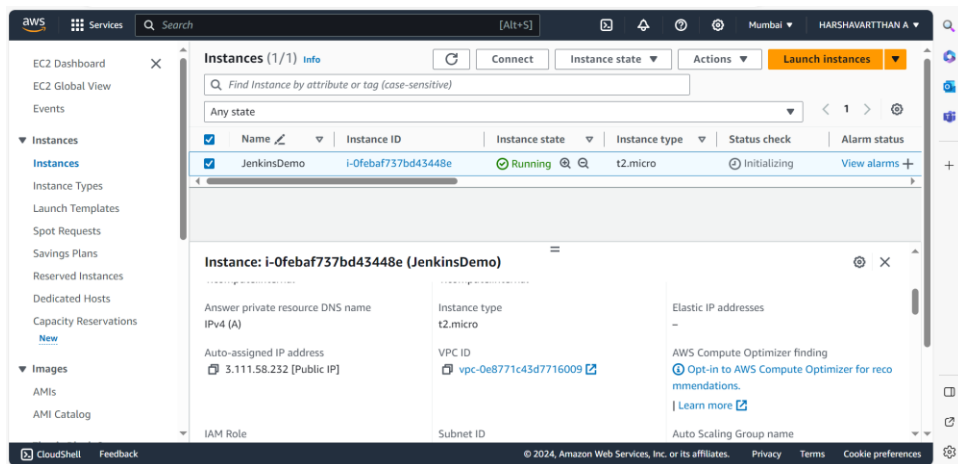


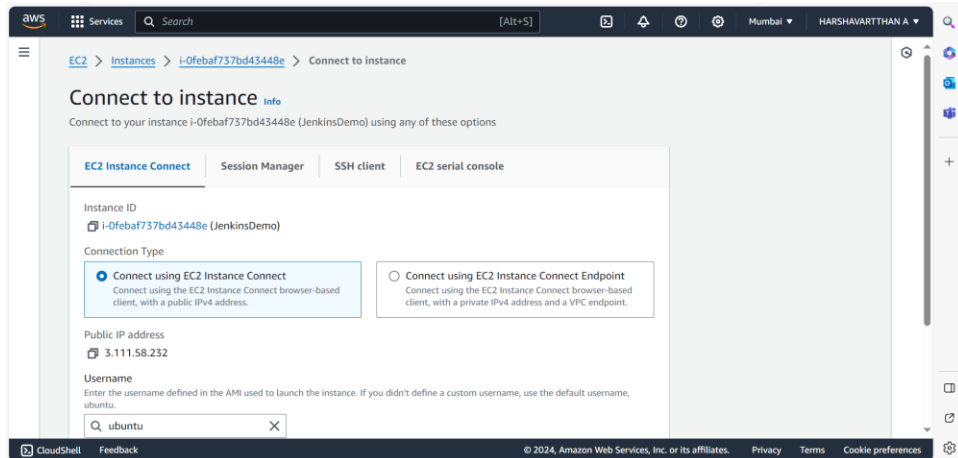


7) Here the instance launched successfully

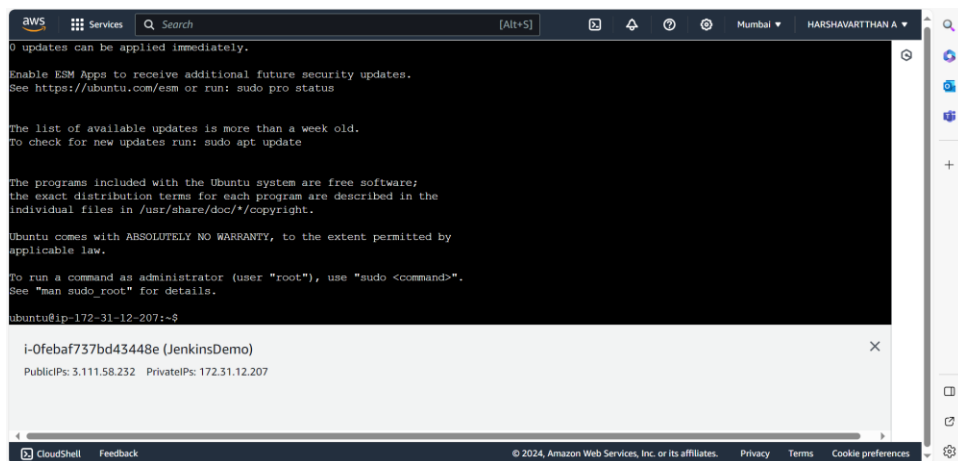


8) Click on the instance and select Instance state and change to Start Running

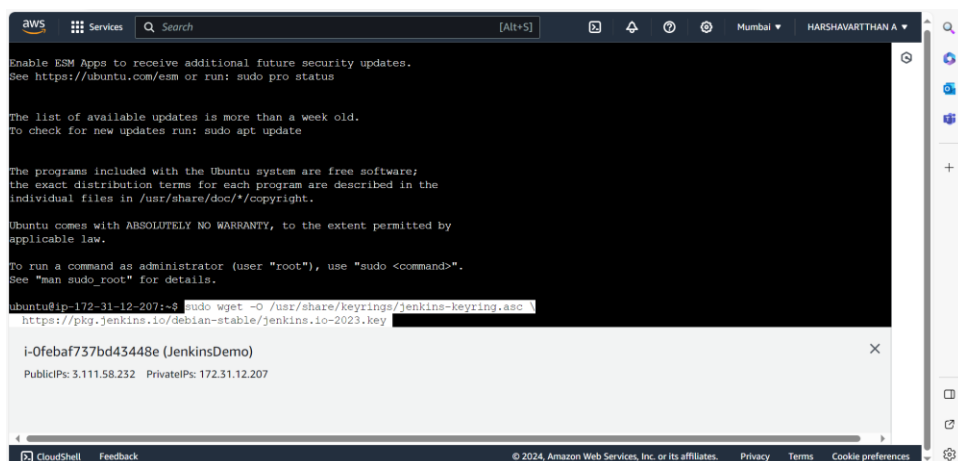




9) Click on the Public IP Address and cmd get opened. Now we are installing Jenkins



10) Now I copied the command and pasted in cmd



```
aws Services Search [Alt+S] Mumbai HARSHAVARTHAN A

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-172-31-12-207:~$ sudo wget -O /usr/share/keyrings/jenkins-keyring.asc \
https://pkg.jenkins.io/debian-stable/jenkins.io-2023.key
--2024-02-17 04:16:48-- https://pkg.jenkins.io/debian-stable/jenkins.io-2023.key
Resolving pkg.jenkins.io (pkg.jenkins.io) ... 151.101.154.133, 2a04:de42:24::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/gpg-keys]
Saving to: '/usr/share/keyrings/jenkins-keyring.asc'

/usr/share/keyrings/jenkins-keyring 100%[=====] 3.10K --.-KB/s in 0s

2024-02-17 04:16:49 (14.7 MB/s) - '/usr/share/keyrings/jenkins-keyring.asc' saved [3175/3175]

ubuntu@ip-172-31-12-207:~$ echo deb [signed-by=/usr/share/keyrings/jenkins-keyring.asc] \
https://pkg.jenkins.io/debian-stable binary/ | sudo tee \
/etc/apt/sources.list.d/jenkins.list > /dev/null
ubuntu@ip-172-31-12-207:~$

i-Ofefabf737bd43448e (JenkinsDemo)
PublicIPs: 3.111.58.232 PrivateIPs: 172.31.12.207

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```

11) From here I installed the Java

```
aws Services Search [Alt+S] Mumbai HARSHAVARTHAN A

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-172-31-12-207:~$ sudo wget -O /usr/share/keyrings/jenkins-keyring.asc \
https://pkg.jenkins.io/debian-stable/jenkins.io-2023.key
--2024-02-17 04:16:48-- https://pkg.jenkins.io/debian-stable/jenkins.io-2023.key
Resolving pkg.jenkins.io (pkg.jenkins.io) ... 151.101.154.133, 2a04:de42:24::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/gpg-keys]
Saving to: '/usr/share/keyrings/jenkins-keyring.asc'

/usr/share/keyrings/jenkins-keyring 100%[=====] 3.10K --.-KB/s in 0s

2024-02-17 04:16:49 (14.7 MB/s) - '/usr/share/keyrings/jenkins-keyring.asc' saved [3175/3175]

ubuntu@ip-172-31-12-207:~$ echo deb [signed-by=/usr/share/keyrings/jenkins-keyring.asc] \
https://pkg.jenkins.io/debian-stable binary/ | sudo tee \
/etc/apt/sources.list.d/jenkins.list > /dev/null
ubuntu@ip-172-31-12-207:~$ sudo apt-get update

i-Ofefabf737bd43448e (JenkinsDemo)
PublicIPs: 3.111.58.232 PrivateIPs: 172.31.12.207

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```

```
aws Services Search [Alt+S] Mumbai HARSHAVARTHAN A

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:~$

i-Ofefabf737bd43448e (JenkinsDemo)
PublicIPs: 3.111.58.232 PrivateIPs: 172.31.12.207

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```

```
aws Services Search [Alt+S] Mumbai HARSHAVARTHAN A
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-Ofefabf737bd43448e (JenkinsDemo)

PublicIPs: 3.111.58.232 PrivateIPs: 172.31.12.207

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```
aws Services Search [Alt+S] Mumbai HARSHAVARTHAN A
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
Hit: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-Ofefabf737bd43448e (JenkinsDemo)

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```
aws Services Search [Alt+S] Mumbai HARSHAVARTHAN A
Running hooks in /etc/ca-certificates/update.d...
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-pixbuf2.0-0: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-Ofefabf737bd43448e (JenkinsDemo)

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```
aws Services Search [Alt+S] Mumbai HARSHAVARTHAN A
Processing triggers for libgl1: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-pixbuf2.0-0: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-Ofefabf737bd43448e (JenkinsDemo)
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aws Services Search [Alt+S] Mumbai HARSHAVARTHAN A
Enable ESN Apps to receive additional future security updates.
See https://ubuntu.com/esn 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-
--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-Ofefabf737bd43448e (JenkinsDemo)
PublicIPs: 3.111.58.232 PrivateIPs: 172.31.12.207

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```

```
aws Services Search [Alt+S] Mumbai HARSHAVARTHAN A
echo deb [signed-by=/usr/share/keyrings/jenkins-keyring.asc] \
https://pkg.jenkins.io/debian-stable binary/ | sudo tee /etc/apt/sources.list.d/jenkins.list > /dev/null
ubuntu@ip-172-31-12-207:~$ jenkins.list > /dev/null
ubuntu@ip-172-31-12-207:~$ sudo apt-get 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
Get:4 https://pkg.jenkins.io/debian-stable binary/ InRelease
Hit:5 https://pkg.jenkins.io/debian-stable binary/ Release
Get:6 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Fetched 110 kB in 1s (94.9 kB/s)
Reading package lists... Done
ubuntu@ip-172-31-12-207:~$ sudo apt-get install jenkins
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
jenkins is already the newest version (2.426.3).
0 upgraded, 0 newly installed, 0 to remove and 74 not upgraded.
ubuntu@ip-172-31-12-207:~$

i-Ofefabf737bd43448e (JenkinsDemo)
PublicIPs: 3.111.58.232 PrivateIPs: 172.31.12.207

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```

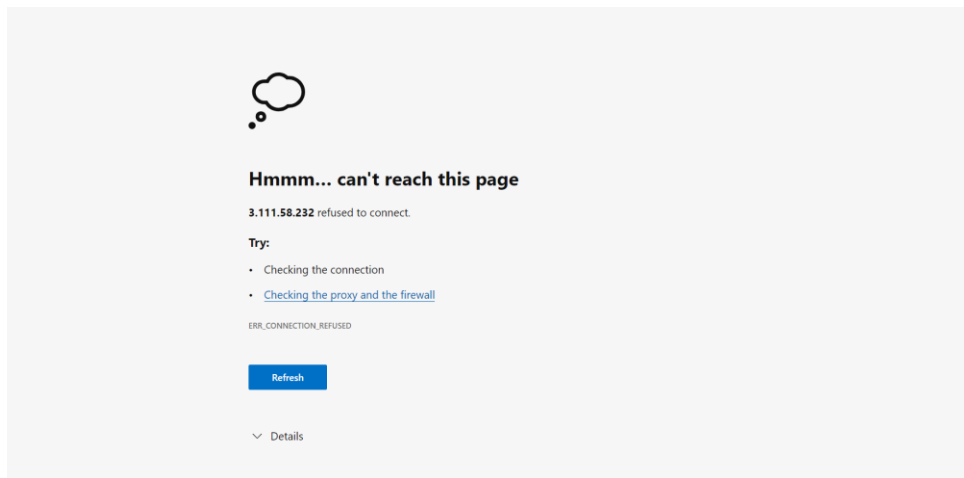


```
aws Services Search [Alt+S] Mumbai HARSHAVARTHAN A
jenkins.service - Jenkins Continuous Integration Server
Loaded: loaded (/lib/systemd/system/jenkins.service; enabled; vendor preset: enabled)
Active: active (running) since Sat 2024-02-17 04:22:31 UTC; 27min ago
Main PID: 5447 (java)
Tasks: 40 (limit: 1121)
Memory: 280.1M
CPU: 40.908s
CGroup: /system.slice/jenkins.service
└─5447 /usr/bin/java -Djava.awt.headless=true -jar /usr/share/jenkins/war

Feb 17 04:22:00 ip-172-31-12-207 jenkins[5447]: f091b307ef5b4de5aed2cc8
Feb 17 04:22:00 ip-172-31-12-207 jenkins[5447]: This may also be found
Feb 17 04:22:00 ip-172-31-12-207 jenkins[5447]: *****
Feb 17 04:22:00 ip-172-31-12-207 jenkins[5447]: *****
Feb 17 04:22:00 ip-172-31-12-207 jenkins[5447]: *****
Feb 17 04:22:31 ip-172-31-12-207 jenkins[5447]: 2024-02-17 04:22:31.183
Feb 17 04:22:31 ip-172-31-12-207 jenkins[5447]: 2024-02-17 04:22:31.205
Feb 17 04:22:31 ip-172-31-12-207 system[1]: Started Jenkins Continuous
Feb 17 04:22:32 ip-172-31-12-207 jenkins[5447]: 2024-02-17 04:22:32.155
Feb 17 04:22:32 ip-172-31-12-207 jenkins[5447]: 2024-02-17 04:22:32.155
lines 1-20/20 (END)

i-0febaf737bd43448e (JenkinsDemo)
PublicIPs: 3.111.58.232 PrivateIPs: 172.31.12.207

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```



12) Here I am trying to start Jenkins

```
System information as of Sat Feb 17 04:54:00 UTC 2024

System load: 0.1103515625 Processes: 100
Usage of /: 32.5% of 7.57GB Users logged in: 1
Memory usage: 52% IPv4 address for eth0: 172.31.12.207
Swap usage: 0%

Expanded Security Maintenance for Applications is not enabled.

78 updates can be applied immediately.
43 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable

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

Last login: Sat Feb 17 04:33:45 2024 from 13.233.177.3
ubuntu@ip-172-31-12-207:~$ sudo su

i-0febaf737bd43448e (JenkinsDemo)
PublicIPs: 3.111.58.232 PrivateIPs: 172.31.12.207

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```

```
aws Services Search [Alt+S] Mumbai HARSHAVARTHAN A

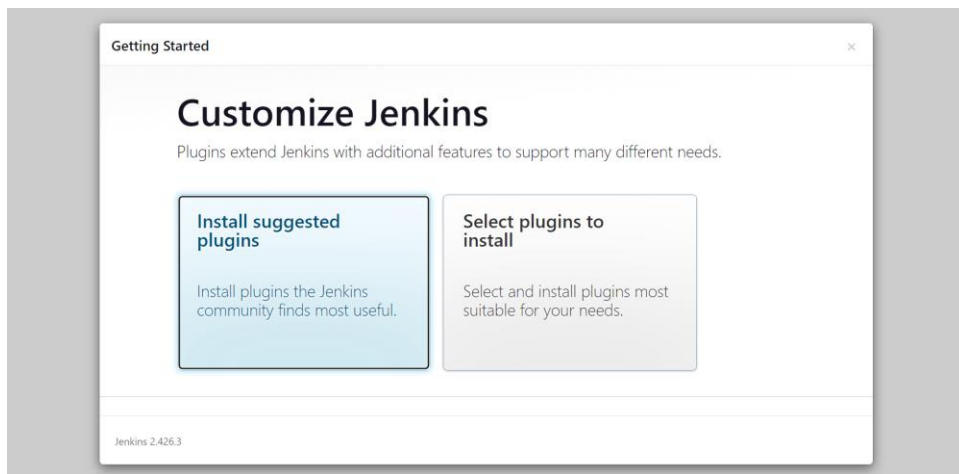
Expanded Security Maintenance for Applications is not enabled.
No updates can be applied immediately.
3 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable
Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

ant login: Sat Feb 17 04:33:45 2024 from 13.233.177.3
ubuntu@ip-172-31-12-207:~$ sudo su
root@ip-172-31-12-207:/home/ubuntu# cd ..
root@ip-172-31-12-207:/home# cd ..
root@ip-172-31-12-207:/# ls
bin dev home lib32 libx32 media opt root sbin srv var
root etc lib lib64 lost-found mnt proc run snap sys usr
root@ip-172-31-12-207:/# cd /var/lib/jenkins/secrets
root@ip-172-31-12-207:/var/lib/jenkins/secrets# cat /initialAdminPassword

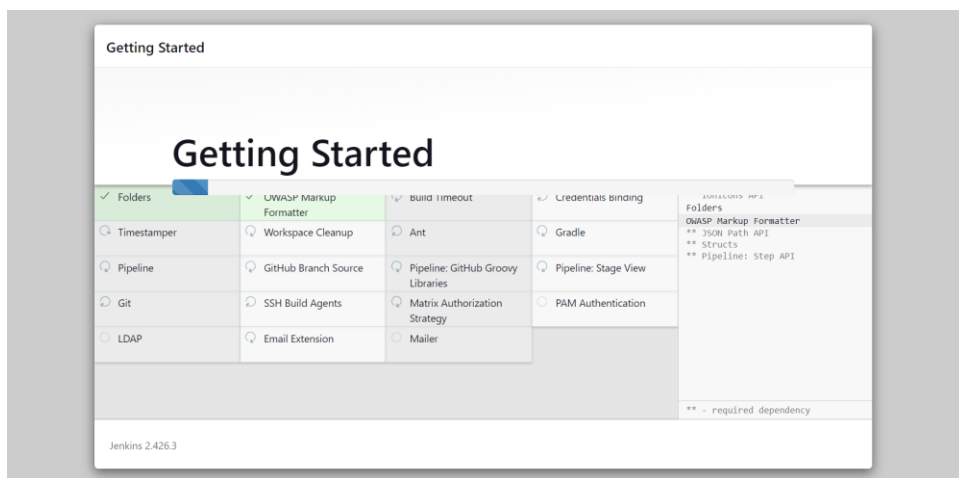
i-Ofebaf737bd43448e (JenkinsDemo)
PublicIPs: 3.111.58.232 PrivateIPs: 172.31.12.207

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```

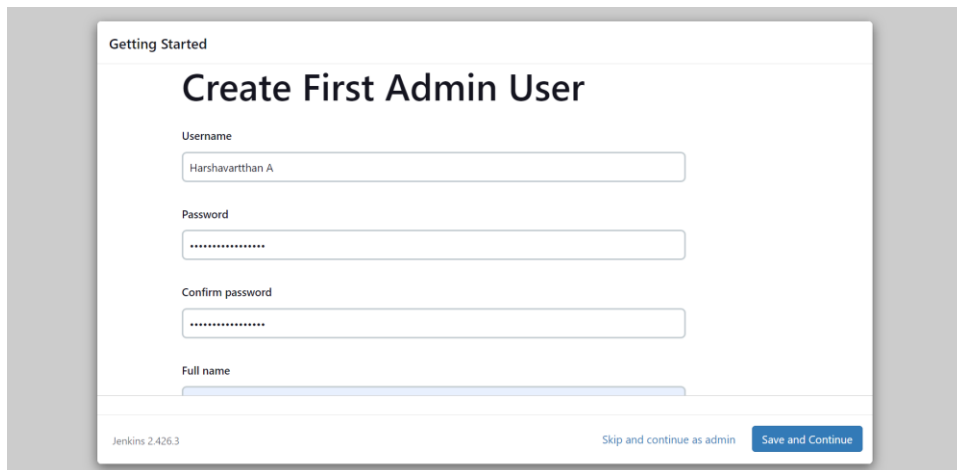
13) Click Install suggested plugins



14) Now Jenkins is getting started.



15) Now I am creating my Jenkins Page



Getting Started

Create First Admin User

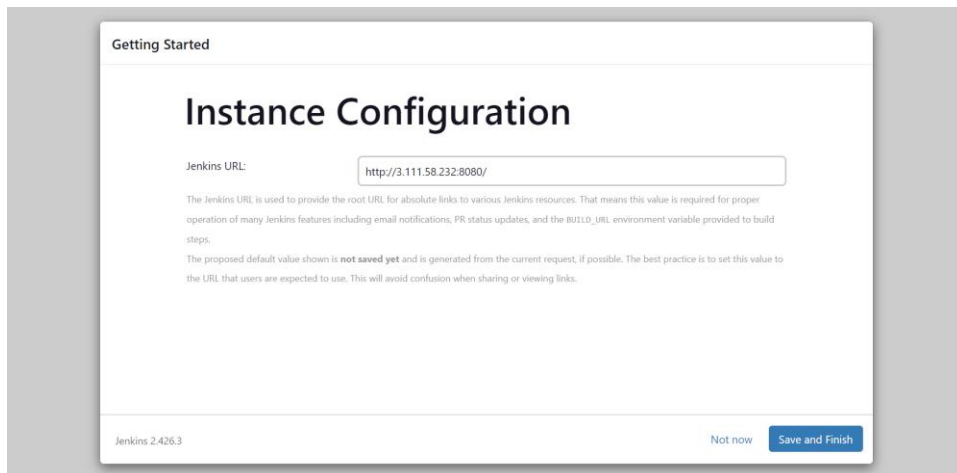
Username

Password

Confirm password

Full name

Jenkins 2.426.3 [Skip and continue as admin](#) [Save and Continue](#)



Getting Started

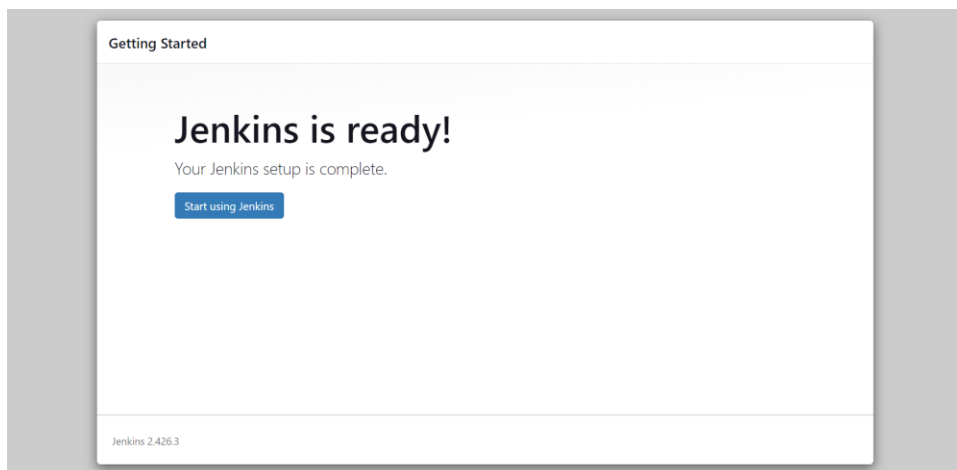
Instance Configuration

Jenkins URL:

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](#)



Getting Started


Jenkins is ready!





Your Jenkins setup is complete.

[Start using Jenkins](#)


Jenkins 2.426.3


16) This is the main Page of Jenkins


**Jenkins**


 HARSHAVARTTHAN A  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!


 Add description


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 2.426.3