JENKINS

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1.Create one instance in aws

2.Select ubuntu

3.Create key pair

4.Go to network setting and click edit
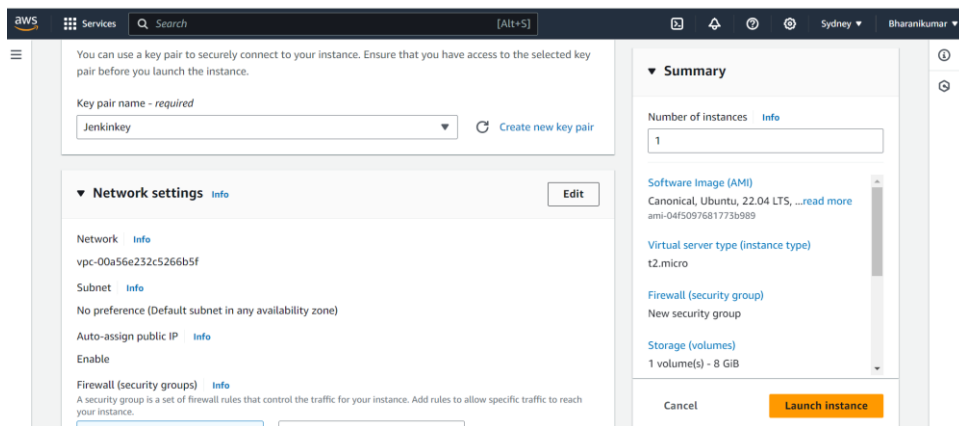
5.Change SSH to All TCP then Launch instance
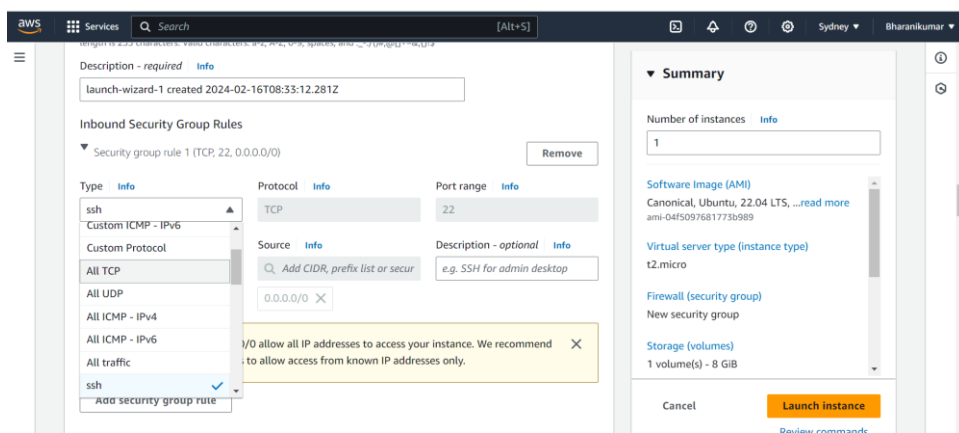
6.Select to view all instances

7.Now instance is running successful

8.Select instance ID and select connect

9.Select connect

10.Go to security groups >inbound rules>edit inbound rules>Add HTTPS & HTTP

11.then go to shell and type commands:

- First you have to install java
- `sudo apt update`
  `sudo apt install fontconfig openjdk-17-jre`
  `java –version`
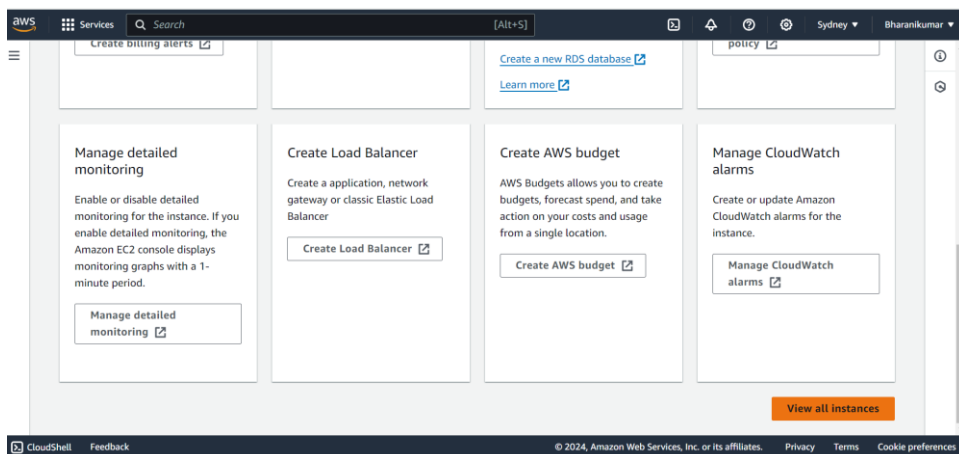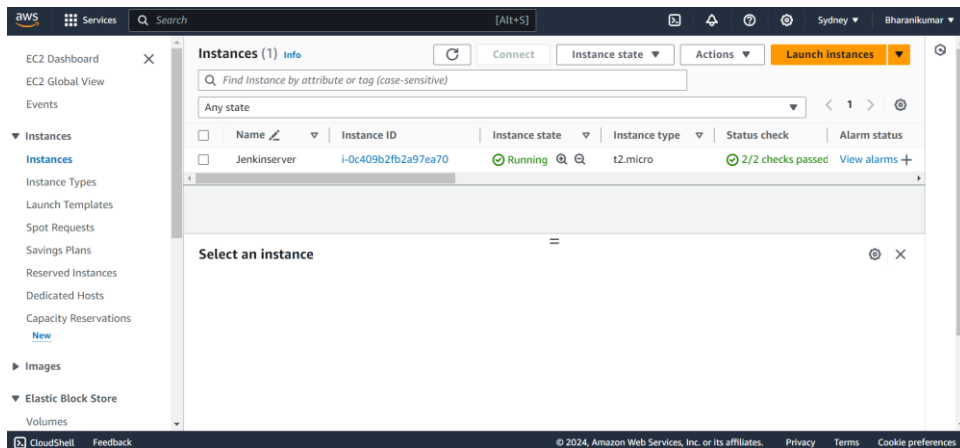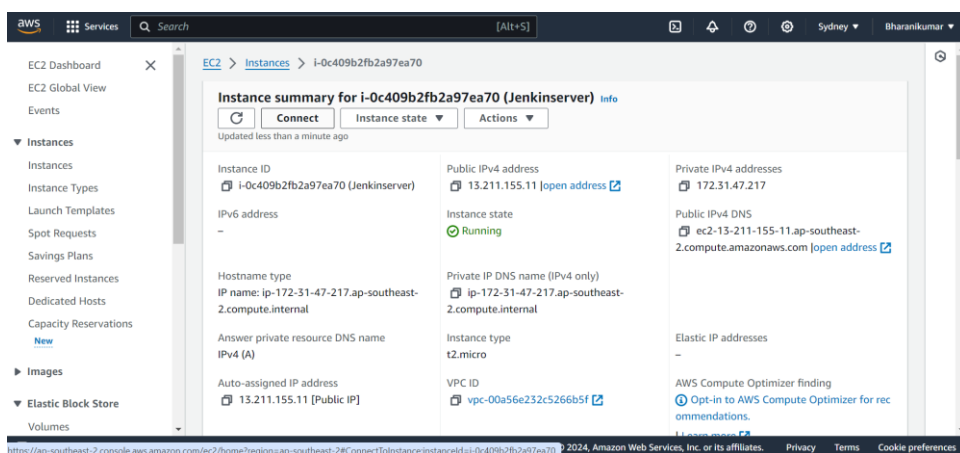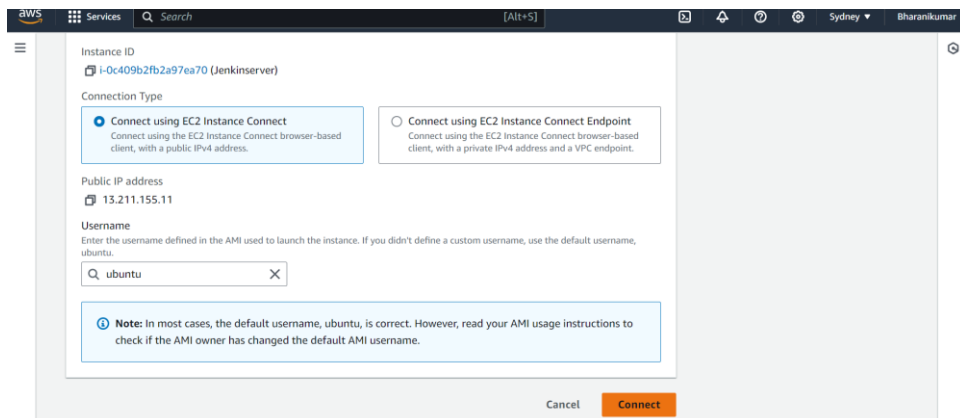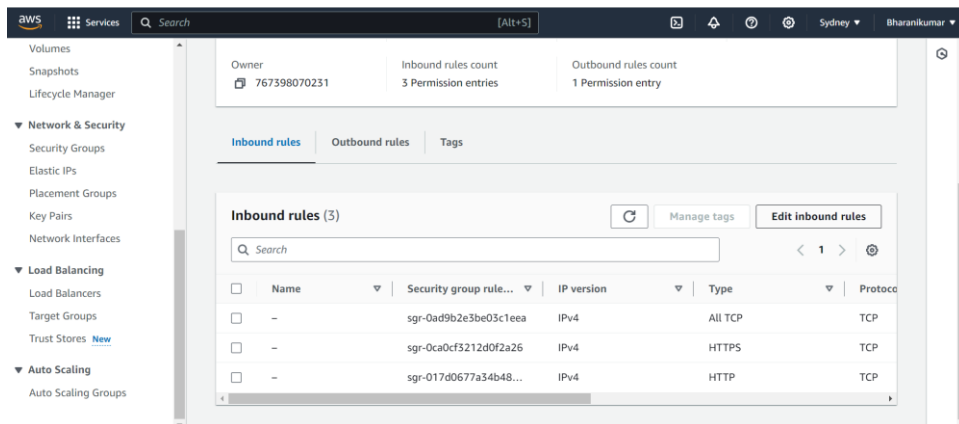- `sudo wget -O /etc/yum.repos.d/jenkins.repo \`
  `https://pkg.jenkins.io/redhat-stable/jenkins.repo`
- `sudo rpm --import https://pkg.jenkins.io/redhat-stable/jenkins.io-2023.key`
- `sudo dnf upgrade`
- `sudo dnf install fontconfig java-17-openjdk`
- `sudo dnf install jenkins`
- `sudo systemctl daemon-reload`
- `After that`

Start Jenkins

You can enable the Jenkins service to start at boot with the command:

```
sudo systemctl enable jenkins
```

You can start the Jenkins service with the command:

```
sudo systemctl start jenkins
```

12.type the above commands

i-0c409b2fb2a97ea70 (Jenkinserver)
PublicIPs: 13.211.155.11 PrivateIPs: 172.31.47.217
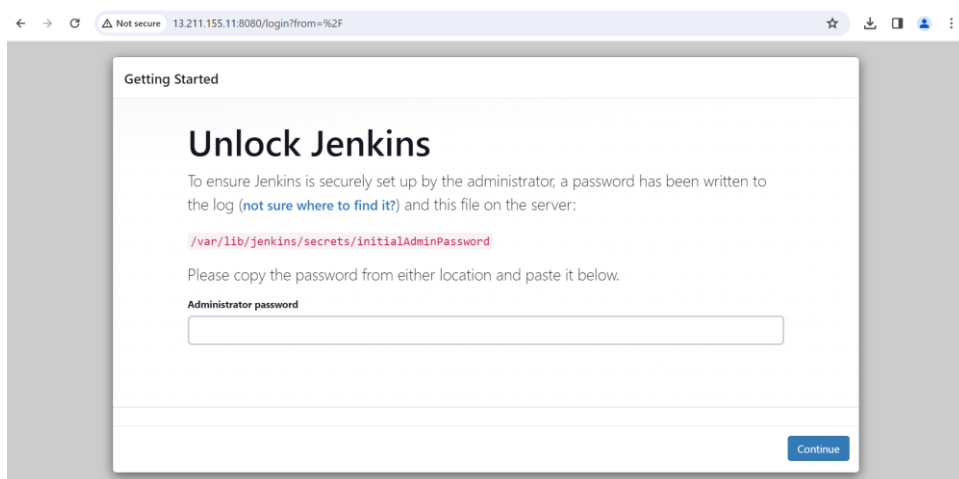

i-0c409b2fb2a97ea70 (Jenkinserver)
PublicIPs: 13.211.155.11 PrivateIPs: 172.31.47.217

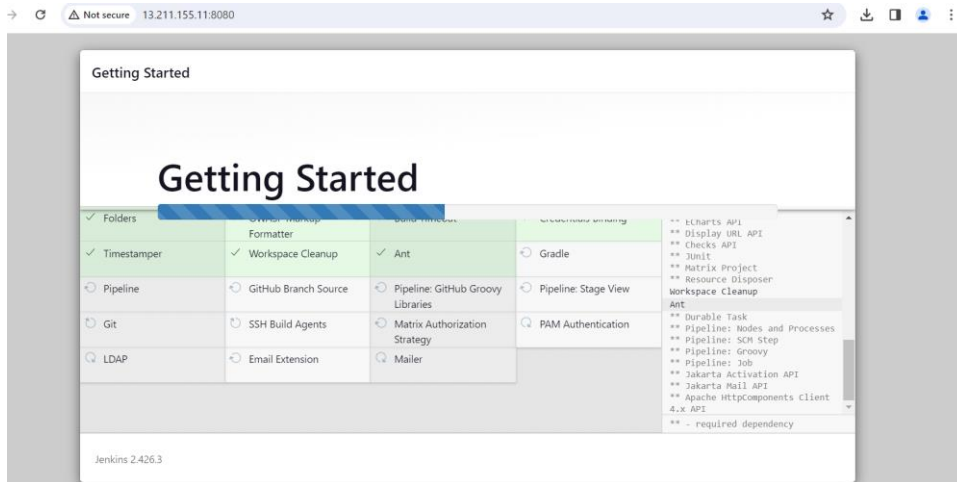**13.Go to browser and copy instance id and paste it with 8080**

- Then type the command;
  The command: `sudo cat /var/lib/jenkins/secrets/initialAdminPassword` will print the password at console.

  ```
  Last login: Fri Feb 16 08:44:20 2024 from 13.239.158.3
  ubuntu@ip-172-31-47-217:~$ sudo cat /var/lib/jenkins/secrets/initialAdminPassword
  c761c2e0cc6145629feaf872e3d37dd7
  ubuntu@ip-172-31-47-217:~$
  ```
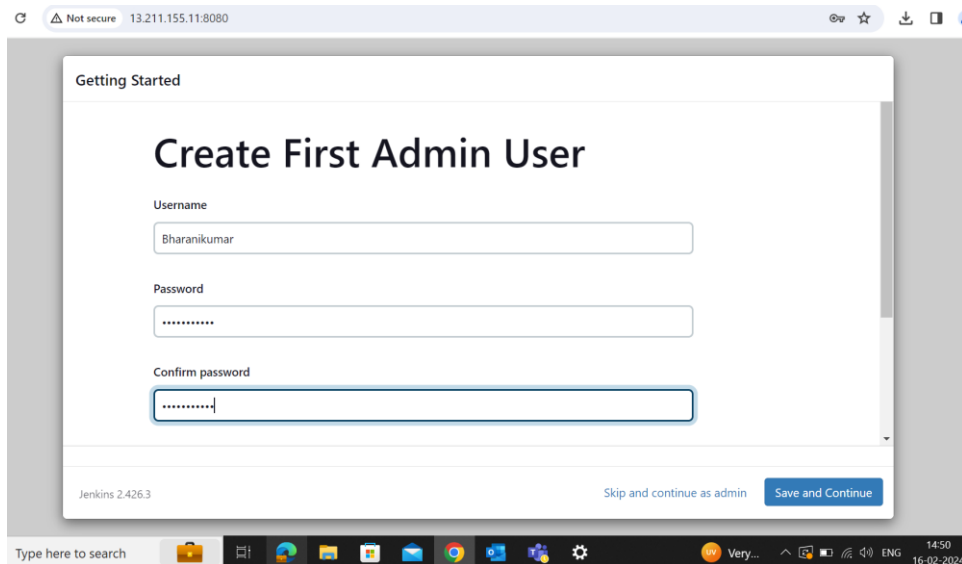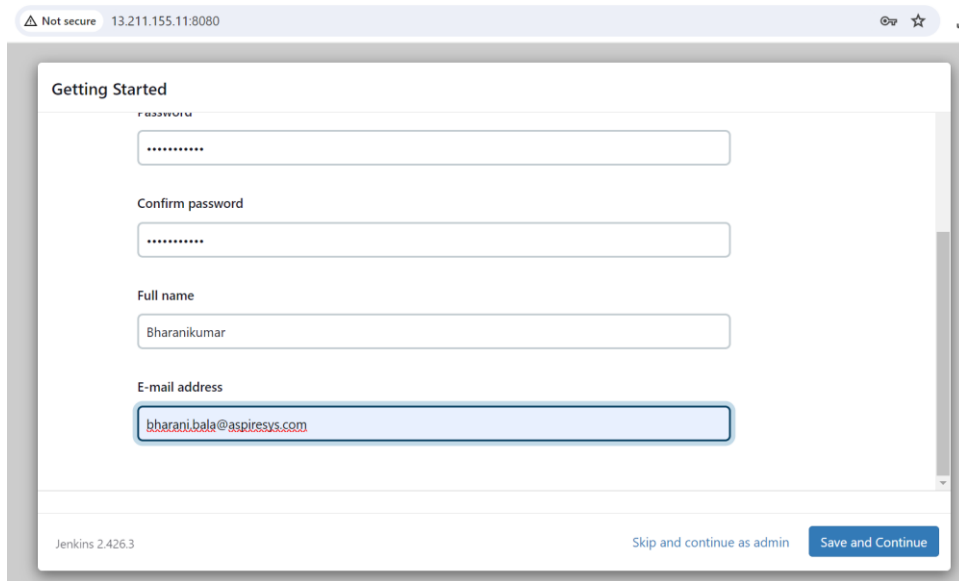- Then enter password and select continue

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

14.Install suggestion plugins:

15.Create user name and password > save and continue
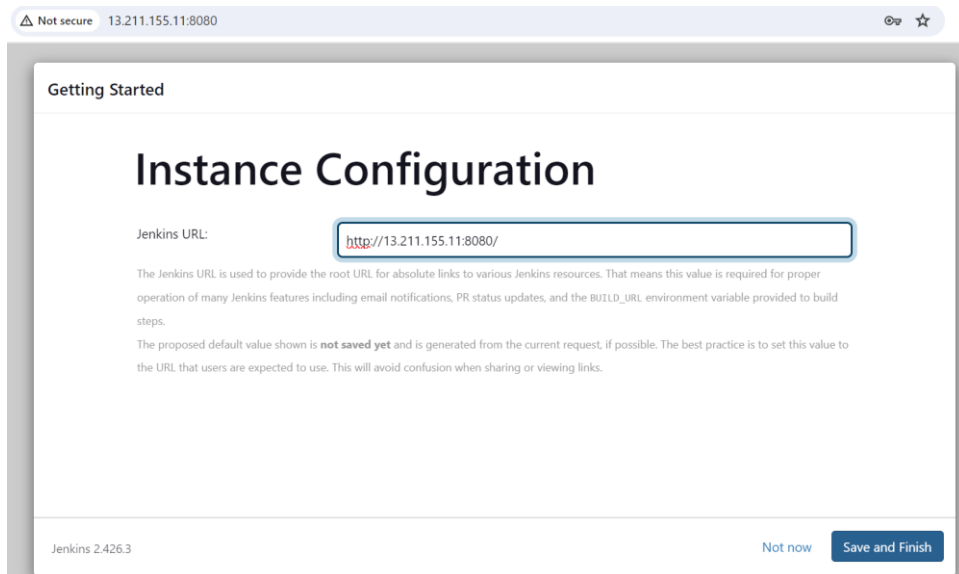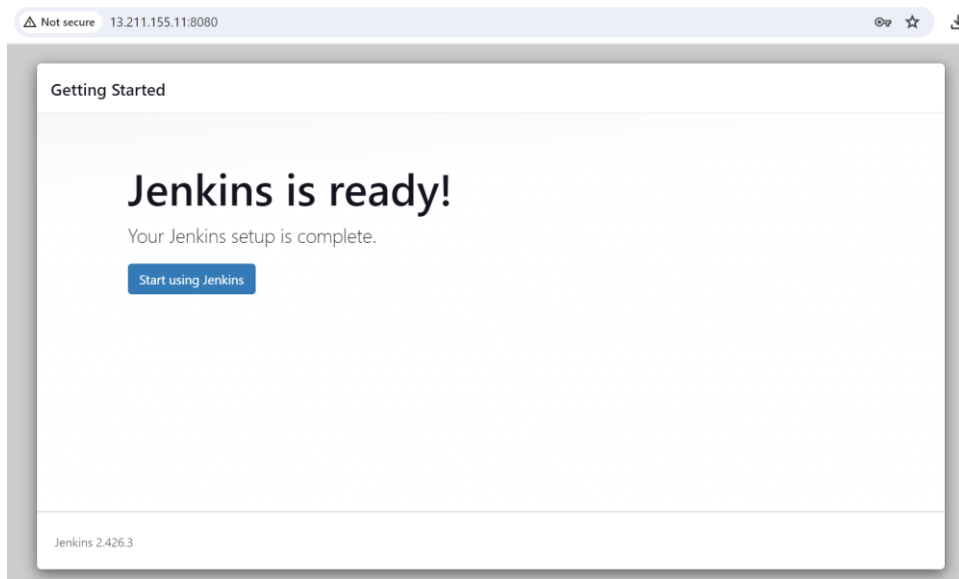

16.select save and continue

17.Select > save and finish

18.Jenkins is ready>Start using jenkins

Jenkins is ready!

Your Jenkins setup is complete.

Start using Jenkins

Jenkins 2.426.3

19.This is the jenkin page