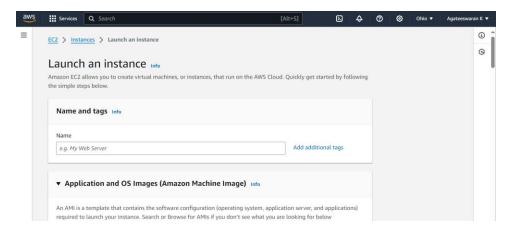
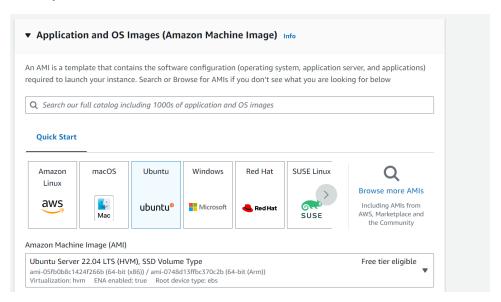
JENKINS DEMO

Name: Agateeswaran K

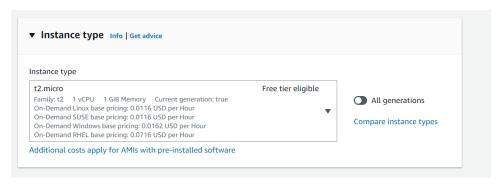
Go to aws console and search for



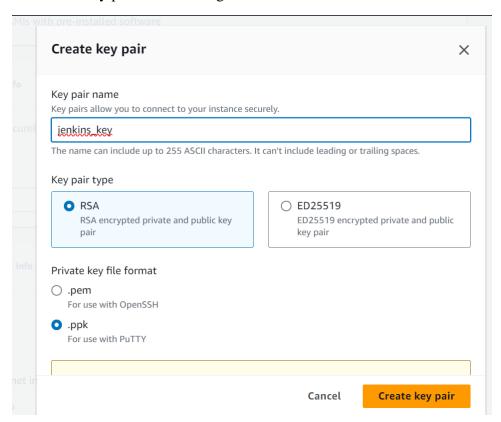
Name your instance and select the Instances OS



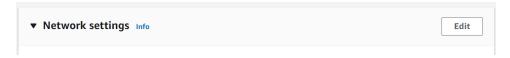
Select the instance type



Create the Key pair for accessing the instance



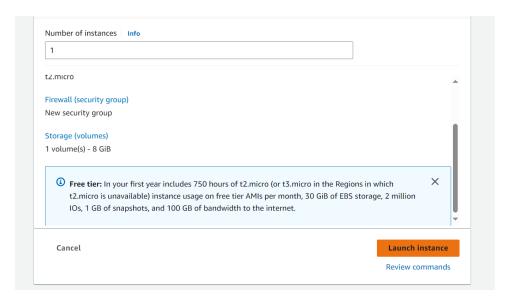
After that select the edit option in network setting



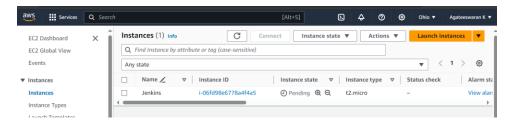
to customize the inbound SG rules type as ssh to all TCP



Now launch the instance



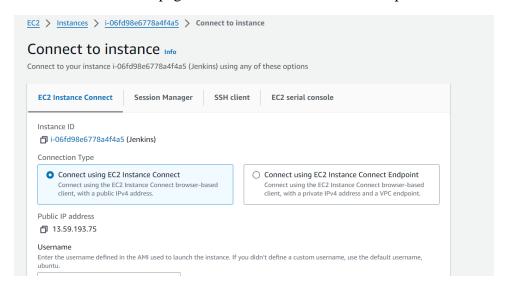
Now we can view the instance which we have created before, and we can also see the details of the instance.



On click on the instance after the instances had come to live



We can view this web page and we can select the connect option to connect with the instance.



Follow these commands

Long Term Support release

A LTS (Long-Term Support) release is chosen every 12 weeks from the stream of regular releases as the stable release for that time period. It can be installed from the debian-stable apt repository.

```
sudo wget -0 /usr/share/keyrings/jenkins-keyring.asc \
https://pkg.jenkins.io/debian-stable/jenkins.io-2023.key
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
sudo apt-get update
sudo apt-get install jenkins
```

Jenkins has a pre-requirement for java.

Installation of Java

Jenkins requires Java to run, yet not all Linux distributions include Java by default. Additionally, not all Java versions are compatible with Jenkins.

There are multiple Java implementations which you can use. OpenJDK is the most popular one at the moment, we will use it in this guide.

Update the Debian apt repositories, install OpenJDK 17, and check the installation with the commands:

```
sudo apt update

sudo apt install fontconfig openjdk-17-jre

java -version

openjdk version "17.0.8" 2023-07-18

OpenJDK Runtime Environment (build 17.0.8+7-Debian-1deb12u1)

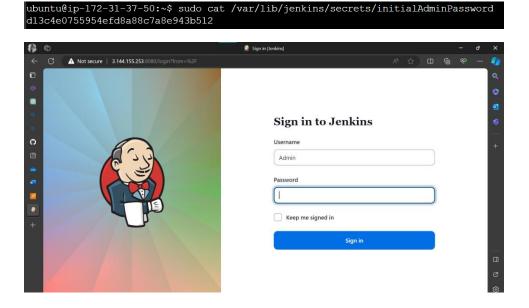
OpenJDK 64-Bit Server VM (build 17.0.8+7-Debian-1deb12u1, mixed mode, sharing)
```

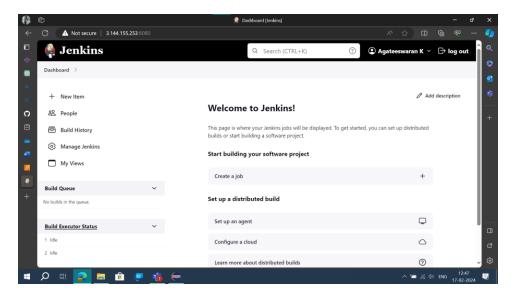
After the installation of Java and Jenkins we can access our instance using the public IP

13.59.193.75

and add:8080 in the end.

To set the username and password we need to





Creating a job

