Aws and Jenkins

Dhamodharan S

Step1: Create a Instance in EC2 to run Jenkins Server

Step 1.1 : jenkins instance is cretaed
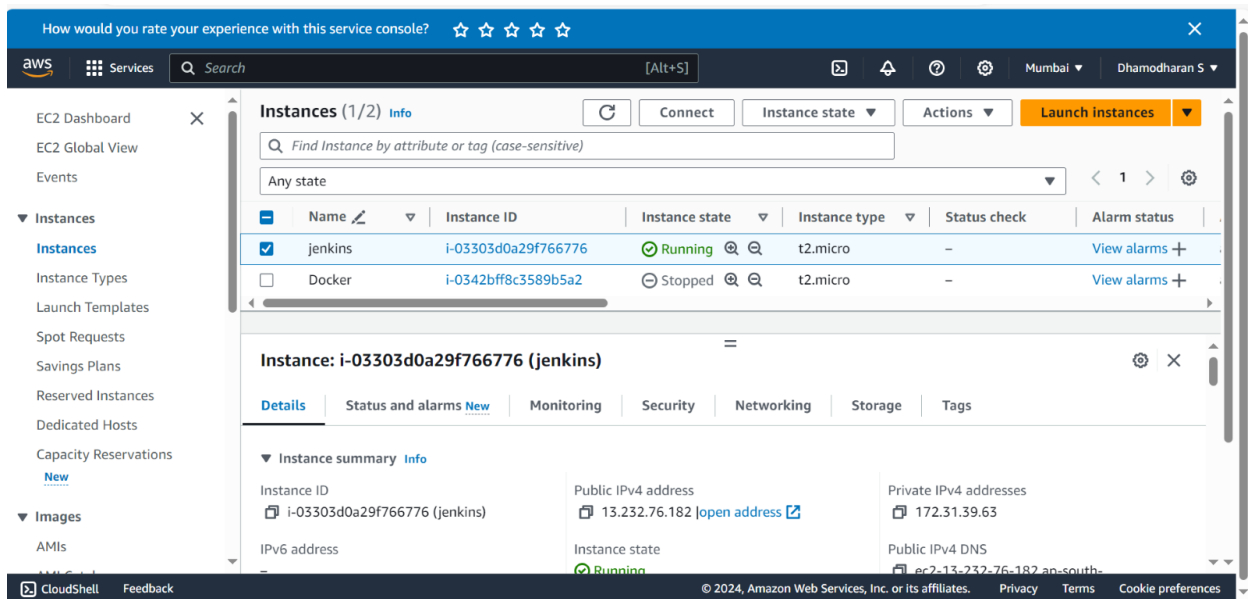
Step2:Then connect with secure shell and install the jdk in the ec2 server

Debian/Ubuntu

On Debian and Debian-based distributions like Ubuntu you can install Jenkins through `apt`.

> ℹ️ With the release of Debian 12, OpenJDK 11 is **no longer** included. It has been replaced with OpenJDK 17, which is reflected in the instructions below.

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 -O /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
```

Weekly release

A new release is produced weekly to deliver bug fixes and features to users and plugin developers. It can be installed

---

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)
```

> ℹ️ Why use `apt` and not `apt-get` or another command? The apt command has been available since 2014. It has a command structure that is similar to `apt-get` but was created to be a more pleasant experience for typical users. Simple software management tasks like install, search and remove are easier with `apt`.
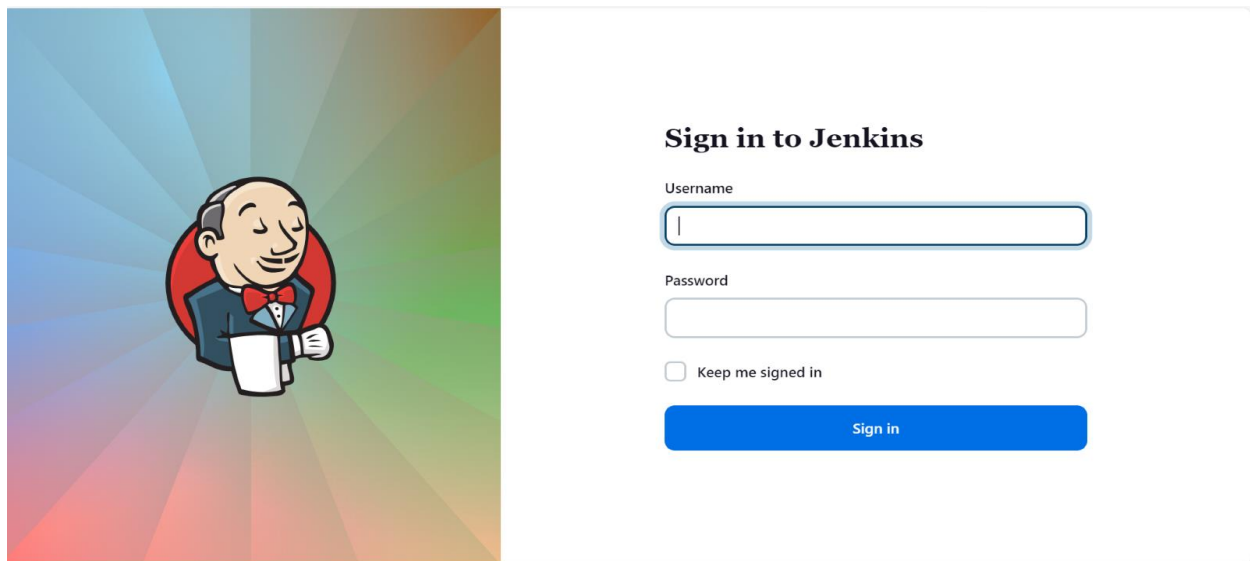
Step3:Then copy the instance IP address and add the default port number 8080 with a colon to it in the search bar and Then copy the command and open the jenkins.
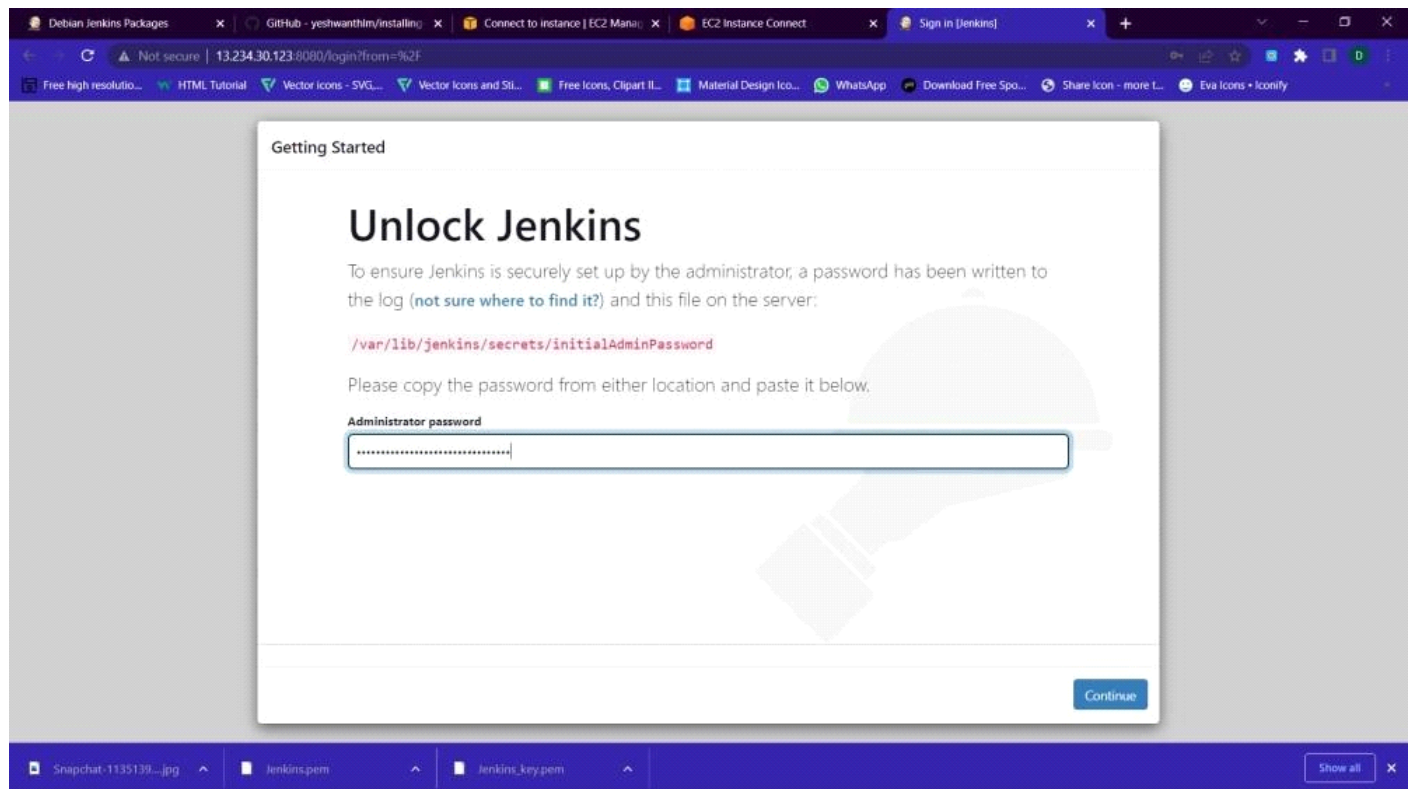
Step4:After unlocking Jenkins press Continue
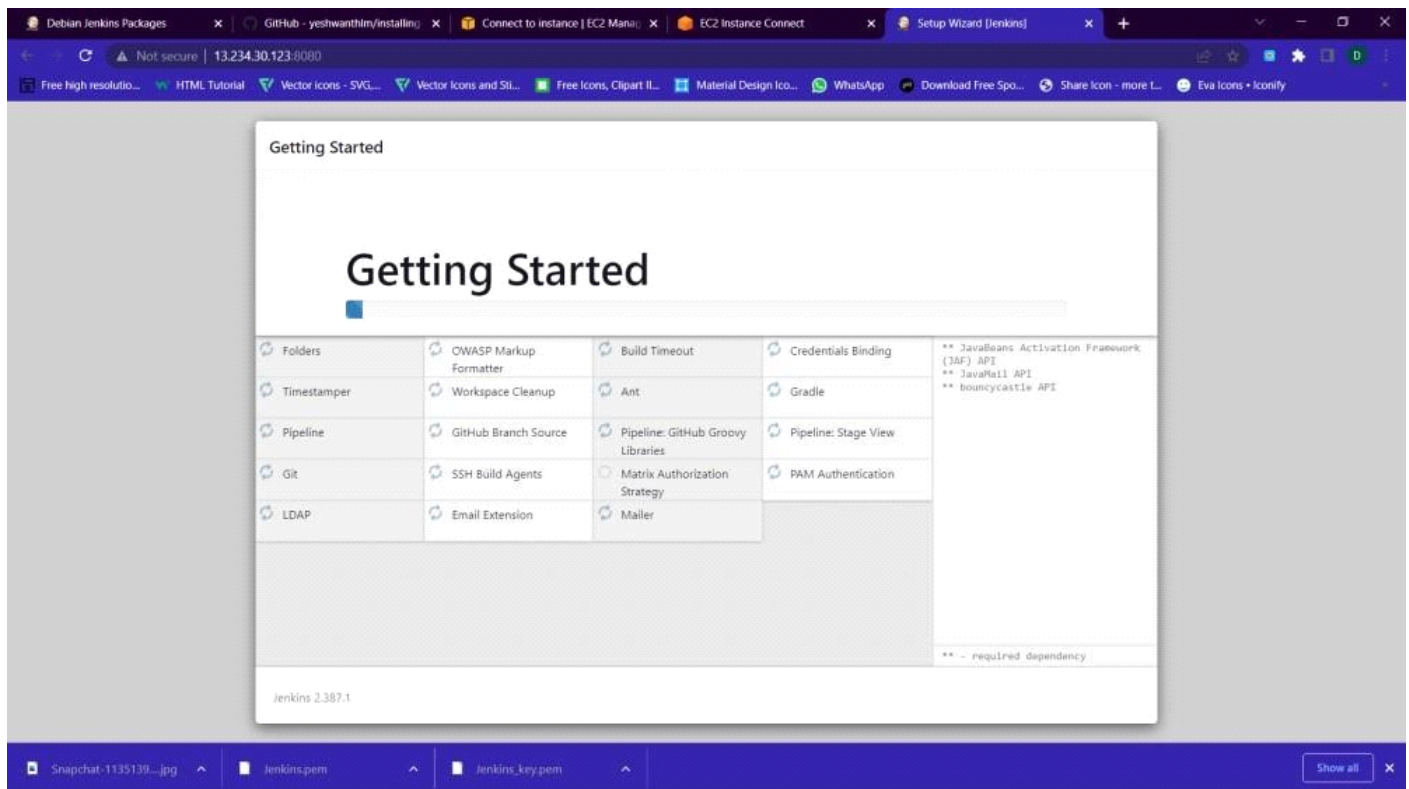
Step5:After installation Jenkins is ready to use and we created job also.

Search (CTRL+K)

🔔 **1** 👤 **Dhamodharan Sundar** ⌄ 🔗 **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

✏ Add description

All +

S	W	Name ↓	Last Success	Last Failure	Last Duration	
⊙	☀	**Build**	N/A	N/A	N/A	▷
⊙	☀	**Test**	N/A	N/A	N/A	▷

Icon: S M L Icon legend 📶 Atom feed for all 📶 Atom feed for failures 📶 Atom feed for just latest builds