Docker Installation:

1. prepare Ubuntu Server 22.04 LTS (HVM), SSD Volume Type docker instance and add http and custom tcp protocol for port 8080, download the .pem key to the desire directory and connect the aws instance y moba-xterm

2. goto>aws>instance>connect>ssh>copy the link

3. open moba x-term> move to the root directory where you have saved the .pem file

4. paste the copied link and hit enter

Docker Installation on ubuntu Os

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link: https://docs.docker.com/engine/install/ubuntu/

```
> sudo apt-get update
> sudo apt-get install ca-certificates curl gnupg lsb-release
> curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo gpg --dearmor -
o /usr/share/keyrings/docker-archive-keyring.gpg
> echo "deb [arch=$(dpkg --print-architecture)
signed-by=/usr/share/keyrings/docker-archive-keyring.gpg]
https://download.docker.com/linux/ubuntu $(lsb_release -cs) stable" | sudo tee
/etc/apt/sources.list.d/docker.list > /dev/null

> sudo apt-get update
> sudo apt-get install docker-ce docker-ce-cli containerd.io docker-compose-plugin
```

----------to verify docker installation

```
> sudo docker -v
```

JDK Installation:

```
sudo apt-get update
sudo apt install default-jdk -y
```

To check the java version
>Java --version

MAVEN Installation:

```
sudo apt install maven  -y
```

JENKINS Installation:

```
curl -fsSL https://pkg.jenkins.io/debian-stable/jenkins.io.key | sudo tee
/usr/share/keyrings/jenkins-keyring.asc > /dev/null

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

To start Jenkins Service
sudo service jenkins start
sudo service jenkins status

goto> aws>ec2instance>copy the ipaddress:8080 in browser to begin with Jenkins configuration

goto to the browser and enter: ipaddress:8080

to get secret password

sudo cat /var/lib/jenkins/secrets/initialAdminPassword

sudo chmod 777 /var/run/docker.sock