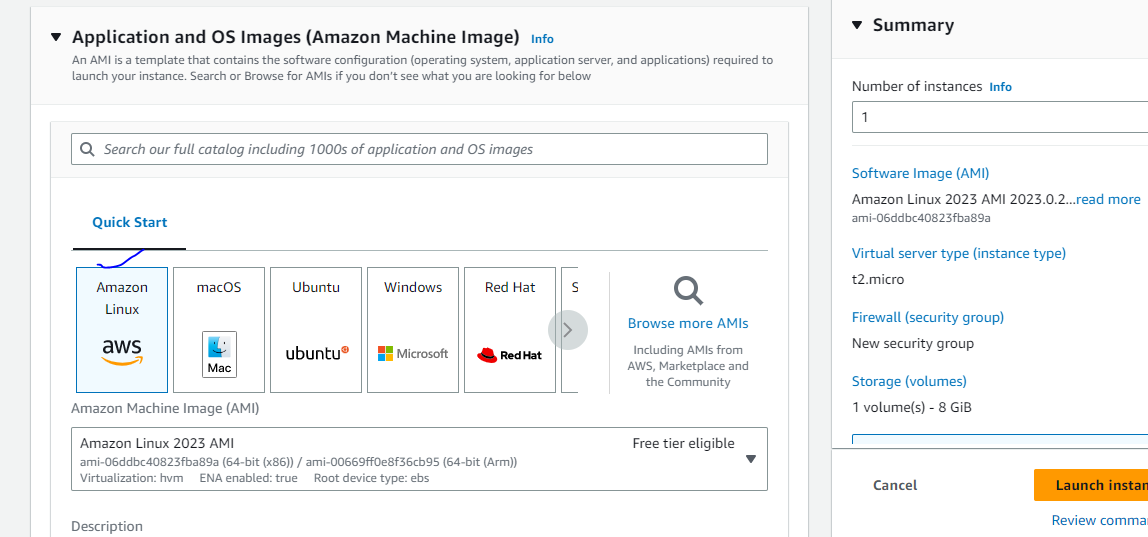
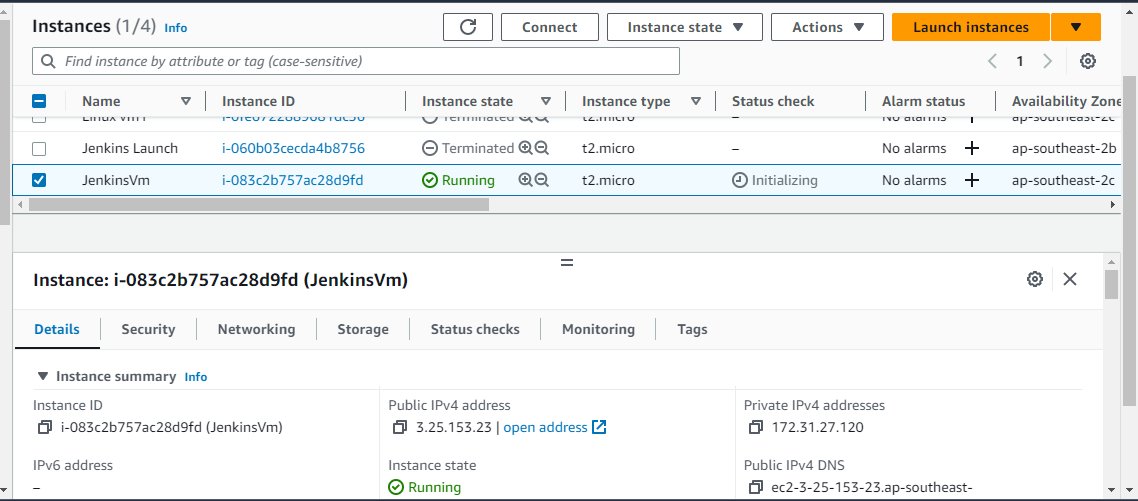
Final Project

Problem Statement:

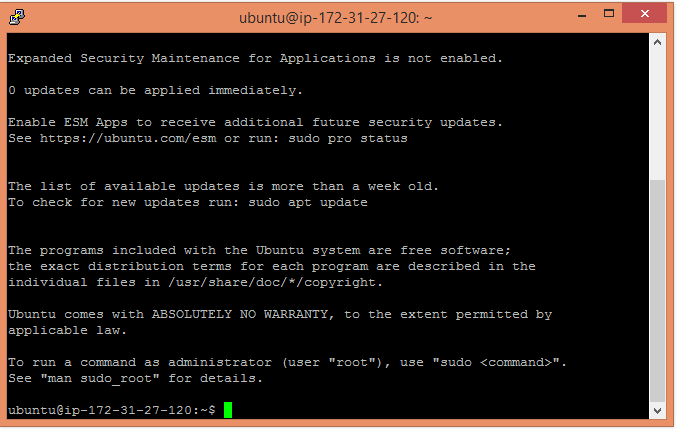
Prerequisites:-

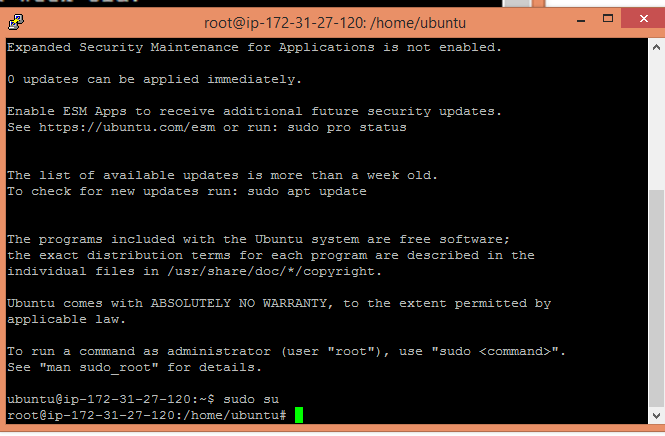




Launched Linux

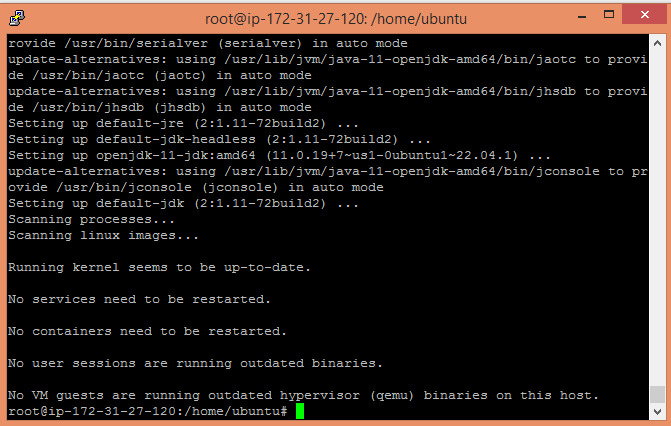
Used su for super user right

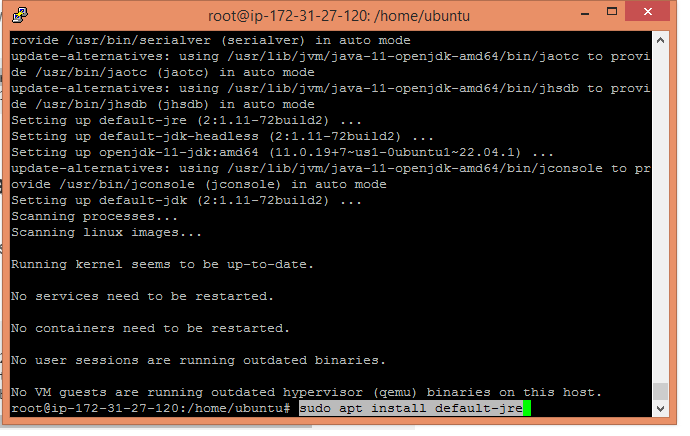


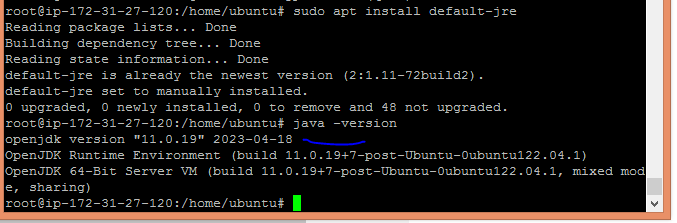


**sudo apt-get update**

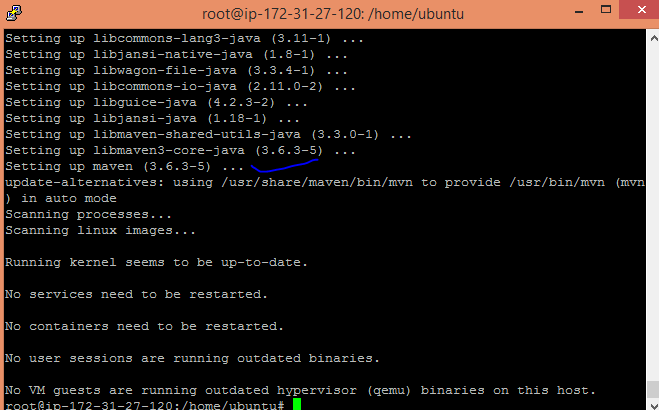
**sudo apt install default-jdk**



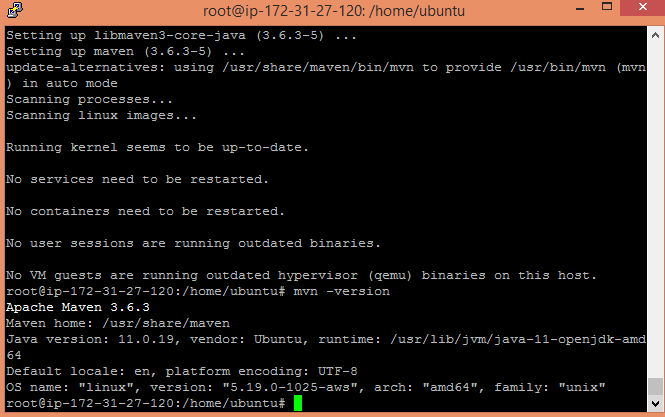




sudo apt install maven



mvn –version



Installing Jenkins :

curl -fsSL https://pkg.jenkins.io/debian-stable/jenkins.io-2023.key | sudo tee\

/usr/share/keyrings/jenkins-keyring.asc **>** /dev/null

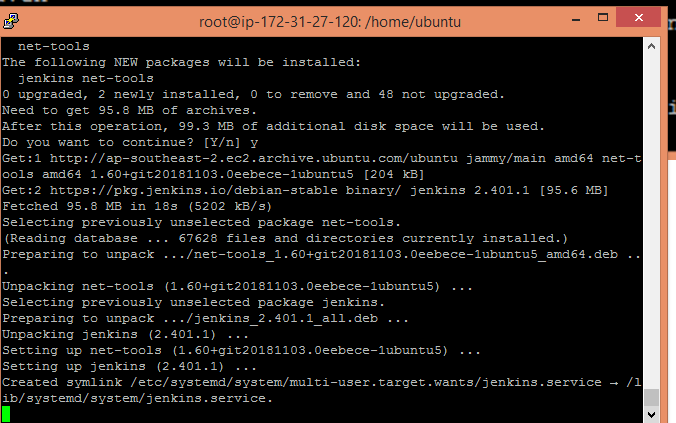
echo deb **[**signed-by**=**/usr/share/keyrings/jenkins-keyring.asc] \

https://pkg.jenkins.io/debian-stable binary/ | sudo tee\

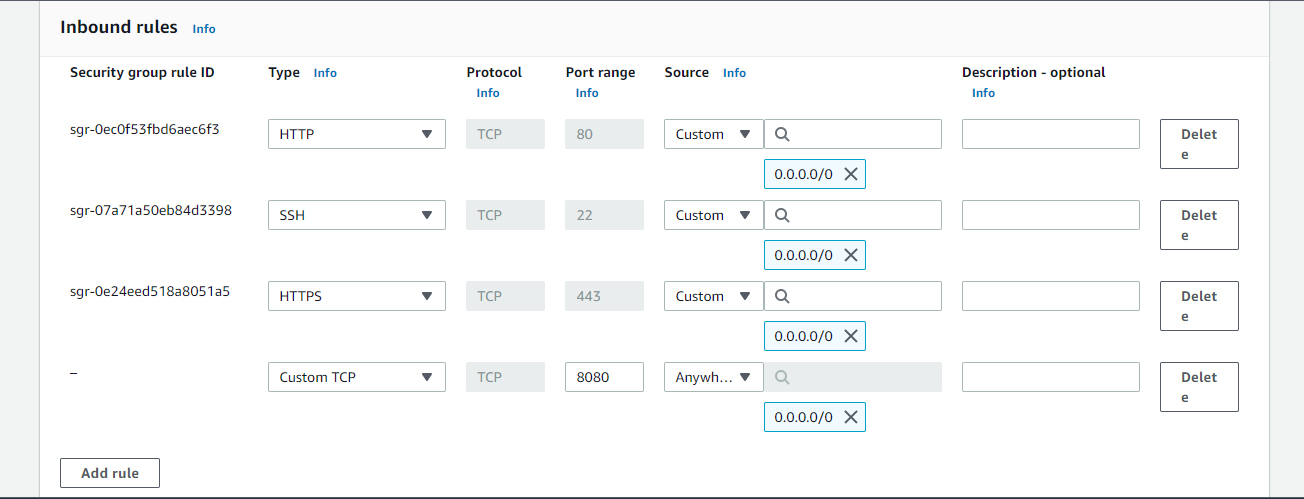
/etc/apt/sources.list.d/jenkins.list **>** /dev/null

sudo apt-get update#Install Jenkins

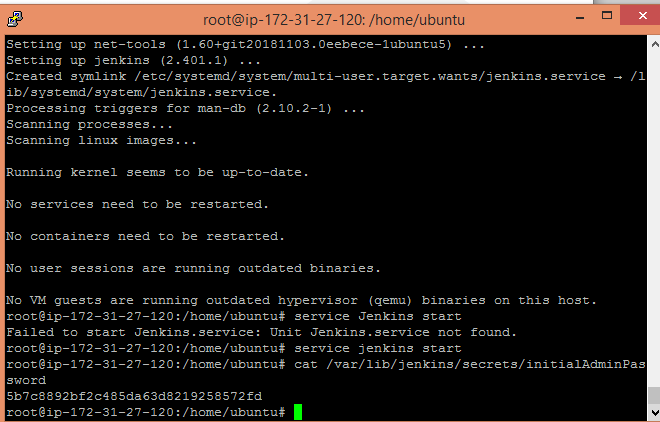
sudo apt-getinstalljenkins-y

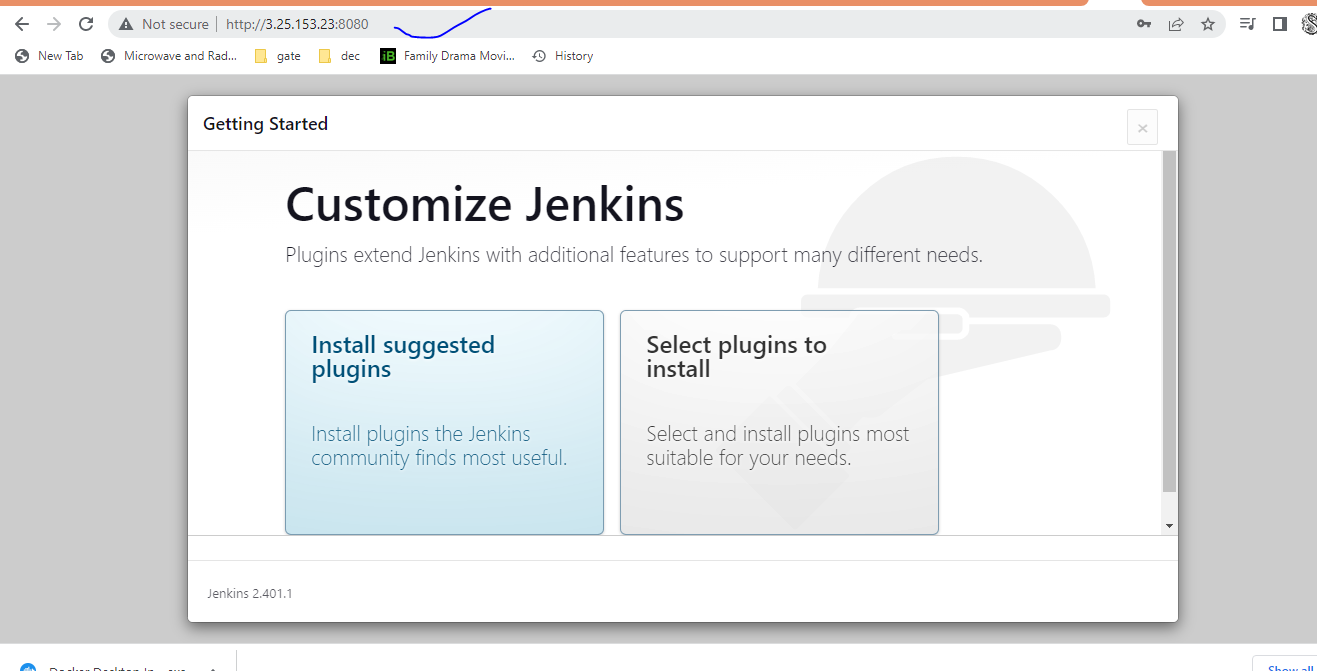


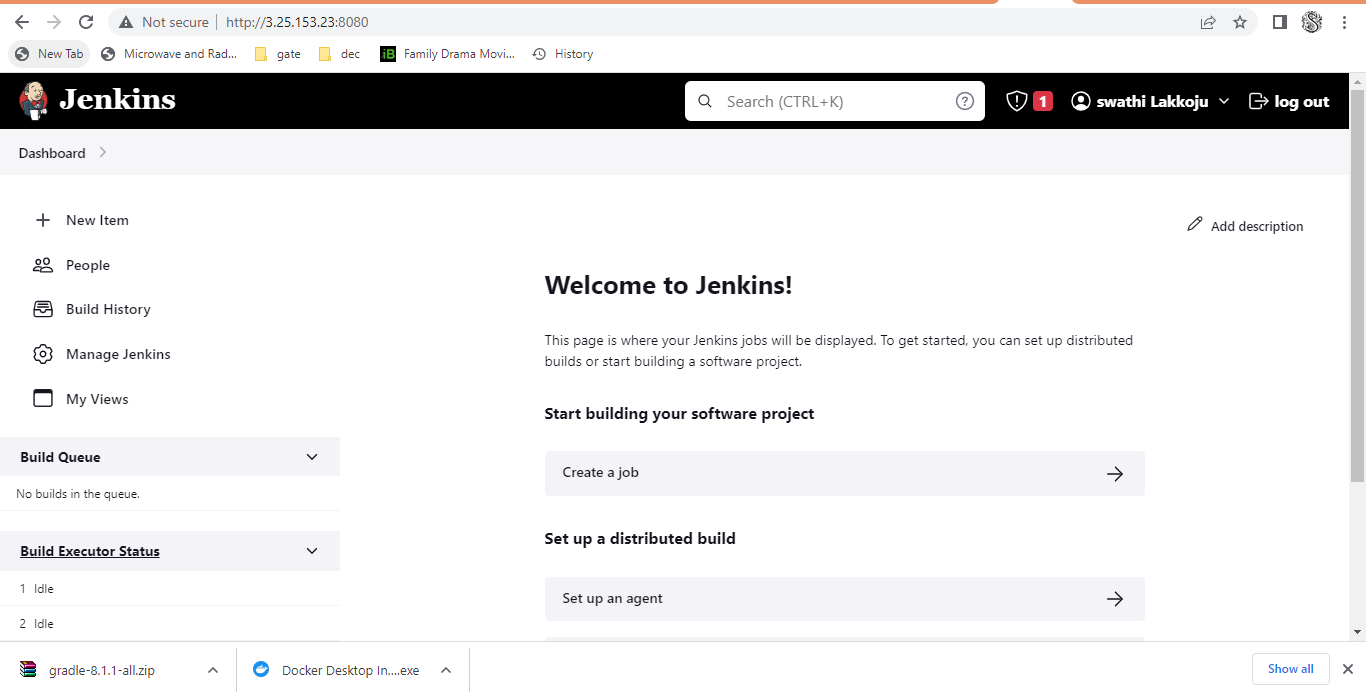
service jenkins start



Now copypublicipandpasteit inthebrowser

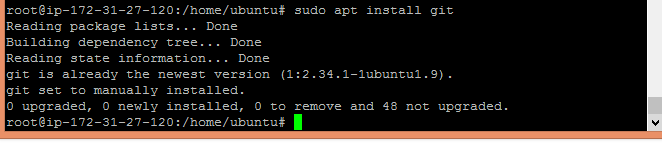


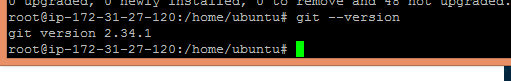




Now Installing Git

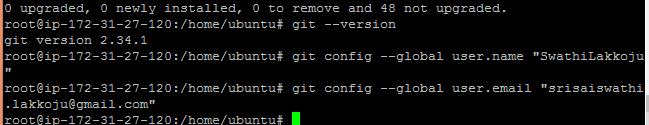
sudo apt install git





git config --global user.name "your\_name"

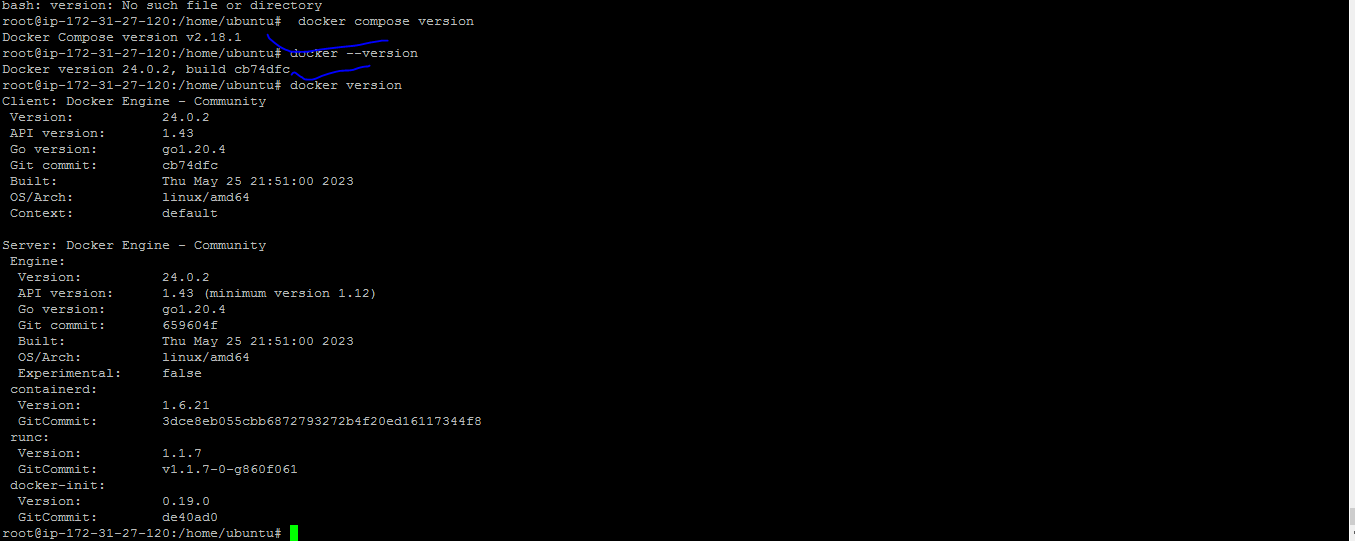
git config --global user.email "email@address.com



Installing Docker:

1. pdate and install dependencies
2. sudo apt-get update
3. sudo apt-get install ca-certificates curl gnupg lsb-release
4. Set up the Docker repository
5. sudo mkdir -p /etc/apt/keyrings
6. curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo gpg --dearmor -o /etc/apt/keyrings/docker.gpg
7. echo "deb [arch=$(dpkg --print-architecture) signed-by=/etc/apt/keyrings/docker.gpg] https://download.docker.com/linux/ubuntu $(lsb\_release -cs) stable" | sudo tee /etc/apt/sources.list.d/docker.list > /dev/null
8. Install the docker engine
9. sudo apt update

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



**###install Kubectl###**

curl -LO https://storage.googleapis.com/kubernetes-release/release/$(curl -s https://storage.googleapis.com/kubernetes-release/release/stable.txt)/bin/linux/amd64/kubectl && chmod +x ./kubectl && sudo mv ./kubectl /usr/local/bin/kubectl

**###install Minikube####**

curl -Lo minikube https://storage.googleapis.com/minikube/releases/latest/minikube-linux-amd64 && chmod +x minikube && sudo mv minikube /usr/local/bin/

