## **DEPLOY TO KUBANETES**

Create three machines as follows

## JENKINS MACHINE

1. Open/create a file with nano editor

nano jenks.sh

2. Copy the commands below and past in jenks.sh file and save

#!/bin/bash sudo apt update sudo apt install openjdk-11-jdk -y sudo apt install -y git maven

wget <a href="https://get.jenkins.io/war-stable/2.401.2/jenkins.war">https://get.jenkins.io/war-stable/2.401.2/jenkins.war</a>

java -jar jenkins.war

- 3. run jenks.sh file to install jenkins with the command sh jenks.sh
- 4. Install ssh agent plugin

## **ANSIBLE MACHINE**

- 1. Open/create a file with nano editor
  - i. nano ansible.sh
- 2. Copy the commands below and past in jenks.sh file and save
  - i. #!/bin/bash
  - ii. sudo apt-add-repository ppa:ansible/ansible -y
  - iii. sudo apt update -y
  - iv. sudo apt install ansible -y
- 3. run ansible,sh file to install amsible with the command sh ansible.sh

## **CUBANETES MACHINE**

```
install kubanetes ubuntu 22.04: create a file minikub.sh and past the commands bellow inside sudo su sudo apt update -y sudo apt upgrade -y sudo apt install curl sudo apt install apt-transport-https sudo apt install docker.io -y curl -LO https://dl.k8s.io/release/$(curl -L -s https://dl.k8s.io/release/stable.txt)/bin/linux/amd64/kubectl curl -LO https://dl.k8s.io/$(curl -L -s https://dl.k8s.io/release/stable.txt)/bin/linux/amd64/kubectlsha256 echo "$(cat kubectl.sha256) kubectl" | sha256sum -check sudo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl curl -LO https://storage.googleapis.com/minikube/releases/latest/minikube-linux-amd64 sudo install minikube-linux-amd64 /usr/local/bin/minikube
```