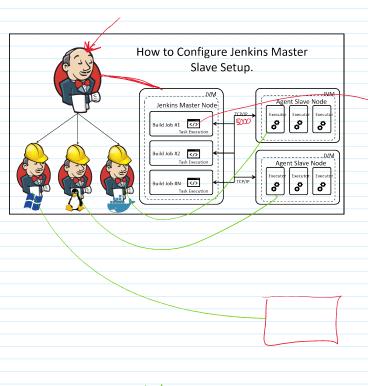
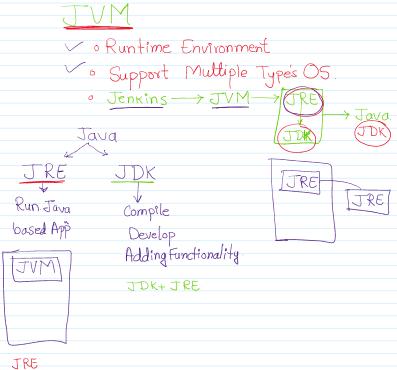
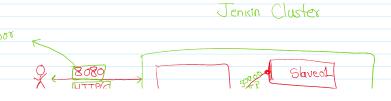
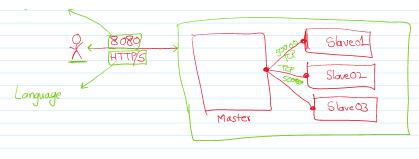
34.11 May. Master Slave Jenkins

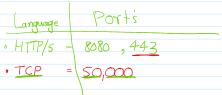
11 May 2023 07:16 PM

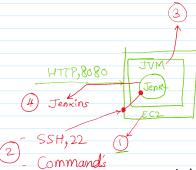












Lock:

Pub = Public Key

Key:

PEM = Open SSH Private Key PPK = Putty Private Key

- Order Jenkins Master(N)
 - a. # OS: Ubuntu
 - b. #SG: Practice= All Traffic, Organization=(SSH, HTTP=8080, HTTPS=443, TCP=50000)
 - c. # KeyPair: Import using pub file and Access using PEM/PPK File
- 2. Connect using SSH Command
 - a. # ssh -i key.pvt username@IPAddress
 - b. #ssh-i mujahed.pem ubuntu@35.172.226.23
- 3. Install Java(OpenJDK11= JDK+JRE)
- 4. Install Jenkins

create Key(PEM) and Lock(PUB)

- 1. Command Line: SSH-KeyGen = id_rsa.pub, id_rsa [pem](without extension) = Standard POSIX (OpenSSH Method)
 - a. Address of Key and Lock: ~/.ssh folder Linux
 - b. Address of Key and Lock: %userprofile%/.ssh folder Windows
- 2. GUI Software: PuttyKeygen = pub, ppk = Specific to Putty based Software
- 3. Cloud Service: AWS KeyPair(Lock will be hidden) = pem

3.83.240.121 slave01 35.172.226.23 master # sudo su

apt update

apt install openjdk-11-jdk -y

java -version

javac -version

curl -fsSLhttps://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 art.get undate.

sudo apt-get update

sudo apt-get install jenkins

sudo systemctl status jenkins

sudo systemctl enable jenkins

Check Browser

http://MasterIPAddress:8080

cat /var/lib/jenkins/secrets/initialAdminPassword

- Install Suggest Plugins
- > Create Freestyle and Check your Jenkins Master working or not.

Jenkins User KeyGeneration

ubuntu@master \$ sudo su root

master # su jenkins

jenkins@master \$ ssh-keygen /var/lib/jenkins/.ssh/id_rsa

Add Credentials in Master Jenkins

Jenkins CI Tool Master Slave 01 Ubuntu

SLAVE01

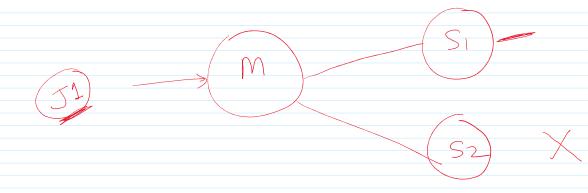
sudo su

apt update

apt install openjdk-11-jdk -y

useradd -m -s /bin/bash jenkins

passwd jenkins



- 1. Pub --> Auth Done
- 2. Naming: /etc/hosts Done
- 3. PEM File
- 4. Config --> Host...

Create Jenkins Server

docker run -d -v jenkins_home:/var/jenkins_home -p 8080:8080 -p 50000:50000 jenkins/jenkins:lts

Find Container ID

docker ps ddfcd5d8f6b8

Inside container

docker exec -i -t --user root <ContainerID> /bin/bash

docker exec -i -t --user root ddfcd5d8f6b8 /bin/bash

Execute commands in Container

cat /var/jenkins_home/secrets/initialAdminPassword