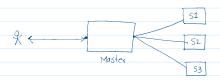
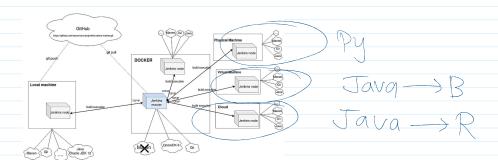
31.30Jul.Jenkins(Master Slave)



Master

- Acts to schedule the jobs Assign Slave's
- Send build to Slaves to execute the Jobs.
- Monitor Slave (offline (online)

- Benefits distributed build
 - · Faster throught
 - · Quieker FeedBack.
 - · Scalable Architecture



Type	Name	Public IP	Private IP
Master	master	13.127.223.212	172.31.9.241
Slave1	slave1		

Master Node:

apt update # apt install openjdk-11-jdk -y # java -version # javac -version

cat >> /etc/hosts

172.31.9.241 master 172.31.12.64 slave1

hostname master # bash

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

apt update && apt install jenkins -y

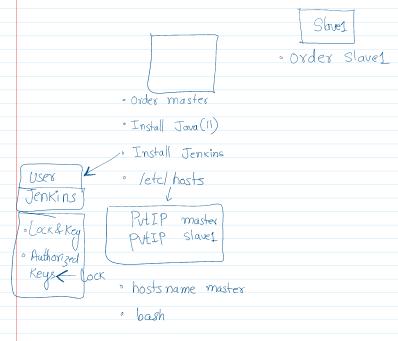
systemctl status jenkins && systemctl enable jenkins

SLAVE1:

\$ sudo su - # apt update # apt install openjdk-11-jdk-y # java-version # javac-version # javac-version # tact-c EOF >> /etc/hosts ###Jenkins-Master Slave 172.31.9.241 master 172.31.2.64 slave1 EOF

useradd -m -s /bin/bash jenkins

su - ienkins



ssh-keygen -b 3072 -t rsa -f ~/.ssh/nubeera_lock_key -q -N "" mv nubeera_lock_key nubeera_lock_key nubeera_lock_pub chmod 400 nubeera_key

sudo bash -c 'cat<<EOF > /var/lib/jenkins/.ssh/config Host * User jenkins IdentityFile /var/lib/jenkins/.ssh/nubeera_key EOF'

cat ~/.ssh/nubeera_lock.pub | cat >> ~/.ssh/authorized_keys

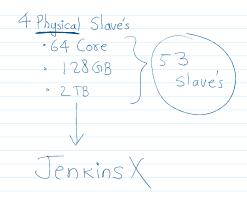
curl ifconfig.me
ip -4 addr show eth0 | grep -oP '(?<=inet\s)\d+(\.\d+){3}'

Jenkins

Fexendor = 1 -> 512MB.

Granbage Collector.

The properties of the configure of th



Jenkins + Single Node 30% + Monolethic Installation + Self hosted Platform + MN Blue Jenkins X. 0 Cean API

PublicIP 65.2.124.238 65.2.38.115 PrivateIP 172.31.38.40 172.31.35.46 master slave1

MASTER MACHINE # apt update && apt install openjdk-11-jdk-y # java -version # javac -version

curl-fsSL https://pkg.jenkins.io/debian-stable/jenkins.io-2023.key | sudo tee \ /usr/share/keyrings/jenkins-keyring.asc > /dev/null

apt update && apt install jenkins -y

systemctl status jenkins && systemctl enable jenkins

cat<< EOF >> /etc/hosts

###Jenkins-Master Slave 172.31.38.40 master 172.31.38.40 172.31.35.46

su - jenkins

ssh-keygen -b 3072 -t rsa -f "/.ssh/nubeera_lock_key-q-N ""
mv nubeera_lock_key nubeera_key && mv nubeera_lock_key.pub nubeera_lock.pub
chmod 400 nubeera_key
cat "/.ssh/nubeera_lock.pub | cat >> "/.ssh/authorized_keys
Copy From Master cat "/.ssh/nubeera_lock.pub and Paste to slave1 cat >> "/.ssh/authorized_keys

sudo bash -c 'cat<<EOF > /var/lib/jenkins/.ssh/config Host *

IdentityFile /var/lib/jenkins/.ssh/nubeera_key

ssh -i nubeera_key jenkins@slave1 ssh slave1

SLAVE1 MACHINE \$ sudo su -# apt update # apt install openjdk-11-jdk-y # java-version # javac-version

cat<< EOF >> /etc/hosts ###Jenkins-Master Slave 172.31.38.40 master 172.31.35.46 slave1 EOF # useradd -m -s /bin/bash jenkins # su - jenkins \$ ssh localhost \$ cd .ssh \$ cat >> authorized_keys Upload id_rsa.pub from master to slave(jenkins user "/.ssh/authorized_keys) # su - jenkins \$ cd .ssh \$ ssh -i id_rsa jenkins@slave1 \$ cat > config Host * User jenkins IdentityFile /var/lib/jenkins/.ssh/id_rsa UI Steps
Master --> Slave
Paste id_rsa -> slave1("/.ssh/id_rsa)
Paste id_rsa.pub --> slave1("/.ssh/authorized_keys) Manage jenkins --> Add node Name: slave1 Check on: "Permanent Agent" option Click on: 'OK'. Now type node information details.
Description: slave01 node agent server
Remote root directory: /home/jenkins
Labels: slave01
Launch method: Launch slave agent via SSH, type the host ip address 'SLAVE1 Private IP Address', choose the authentication using 'Jenkins' credential.