

2x4

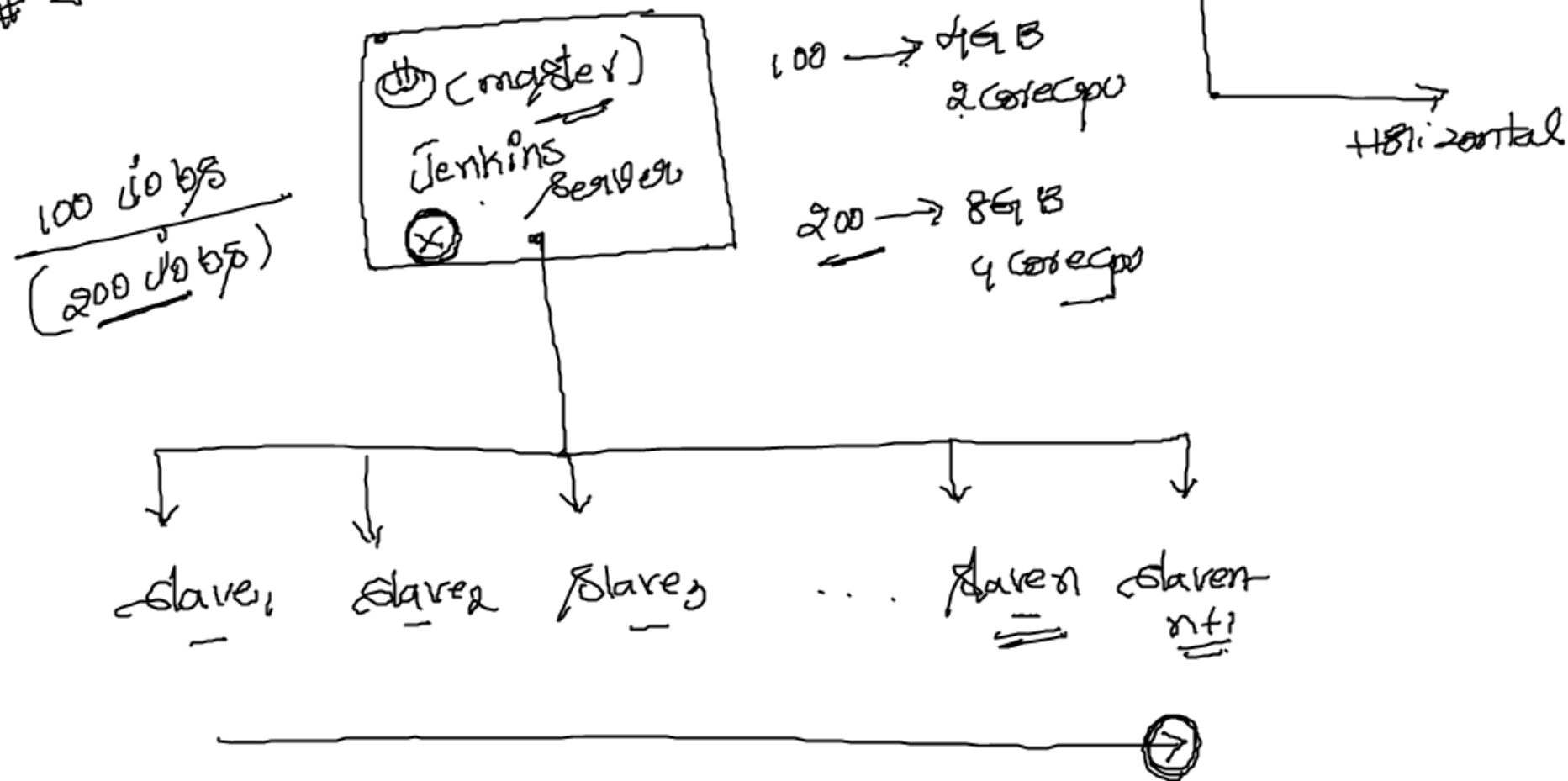
Jenkins

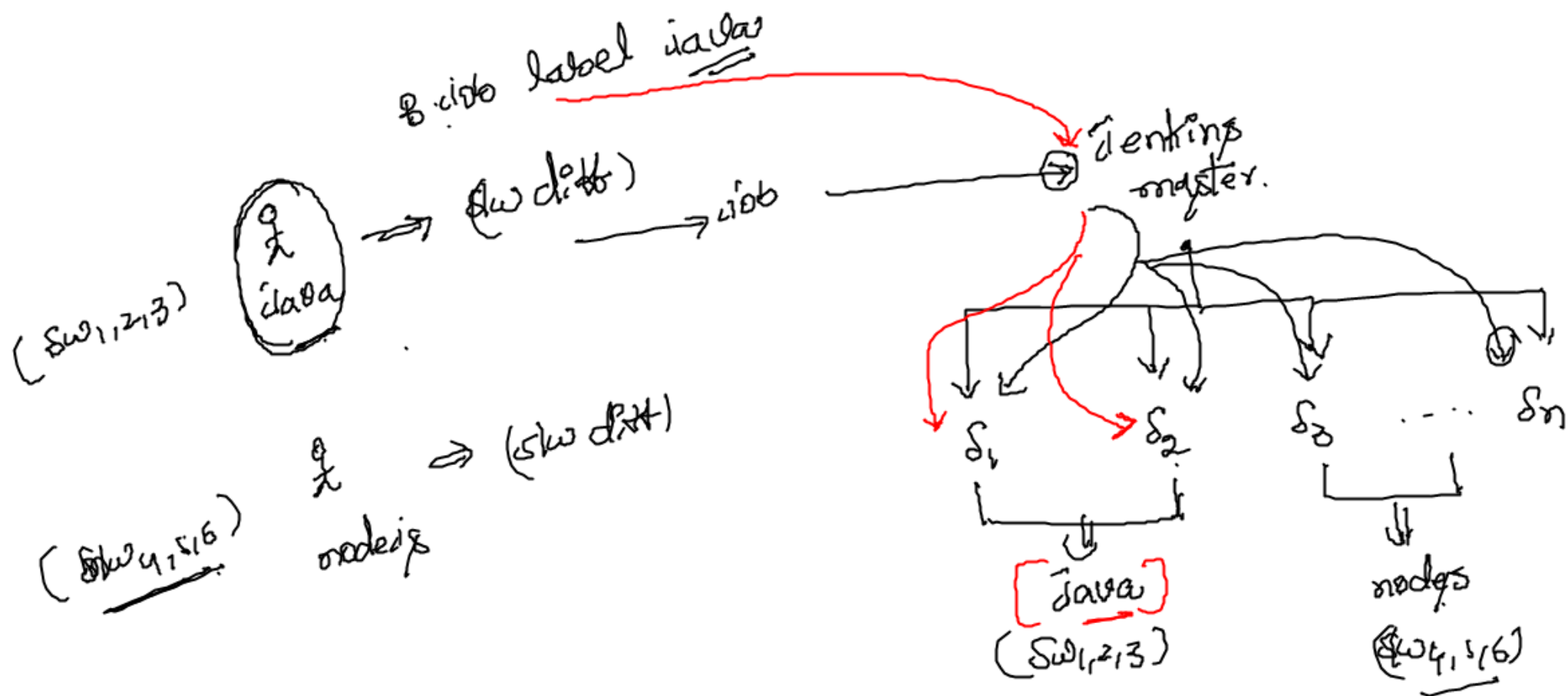
↓                      ↓  
 Build & Release tool


config files :- "vars/lib/jenkins"

Jenkins → java (sw)  
 (2)                      (1) 7.1.8

Note:- # Jenkins don't have H.A. by default  
 # you can have only 1 master at a time





 root@ip-172-31-23-177:~

Options ▾

Remote Control ▾

Drawing Tool!



REC

```
[root@ip-172-31-23-177 ~]#  
[root@ip-172-31-23-177 ~]#  
[root@ip-172-31-23-177 ~]# hostnamectl set-hostname slave1  
[root@ip-172-31-23-177 ~]# bash  
[root@slave1 ~]# grep Password /etc/ssh/sshd_config  
#PasswordAuthentication yes  
#PermitEmptyPasswords no  
PasswordAuthentication no  
# PasswordAuthentication. Depending on your PAM configuration,  
# PAM authentication, then enable this but set PasswordAuthentication  
[root@slave1 ~]# sed -i 's/PasswordAuthentication no/PasswordAuthentication yes/g' /etc/ssh/sshd_config  
[root@slave1 ~]# grep PasswordAuthentication /etc/ssh/sshd_config  
#PasswordAuthentication yes  
PasswordAuthentication yes  
# PasswordAuthentication. Depending on your PAM configuration,  
# PAM authentication, then enable this but set PasswordAuthentication  
[root@slave1 ~]# systemctl reload sshd  
[root@slave1 ~]# echo "redhat"|passwd --stdin ec2-user  
Changing password for user ec2-user.  
passwd: all authentication tokens updated successfully.  
[root@slave1 ~]#
```

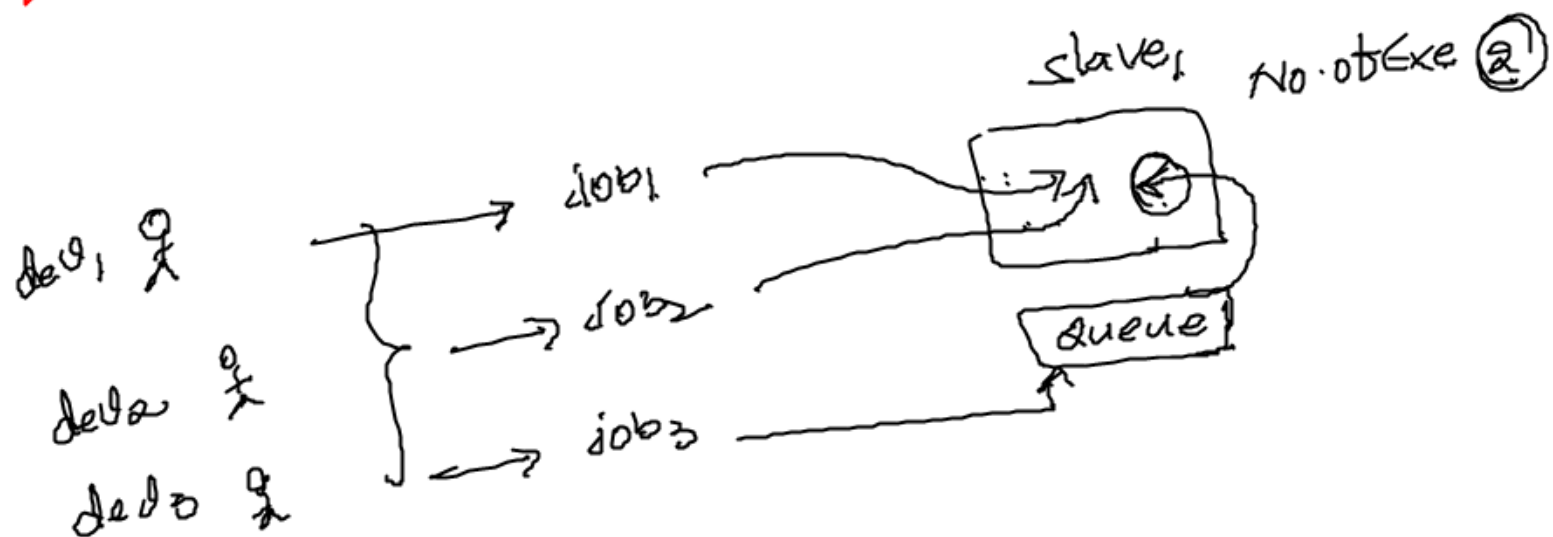
```
[root@jenkins ~]# vi /etc/hosts
[root@jenkins ~]# ssh slave1
The authenticity of host 'slave1 (172.31.23.177)' can't be established.
ECDSA key fingerprint is SHA256:99uIHfT0aOHD5mlP59CETYSzfjwbGKBn1B684+Xk8dg.
ECDSA key fingerprint is MD5:b7:b2:47:96:23:68:45:e5:0b:96:ed:90:d1:e0:bb:87.
Are you sure you want to continue connecting (yes/no)? ^C
[root@jenkins ~]# ssh ec2-user@slave1
The authenticity of host 'slave1 (172.31.23.177)' can't be established.
ECDSA key fingerprint is SHA256:99uIHfT0aOHD5mlP59CETYSzfjwbGKBn1B684+Xk8dg.
ECDSA key fingerprint is MD5:b7:b2:47:96:23:68:45:e5:0b:96:ed:90:d1:e0:bb:87.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added 'slave1,172.31.23.177' (ECDSA) to the list of known hosts.
ec2-user@slave1's password:
Last login: Mon May 10 02:19:37 2021 from bba308746.alshamil.net.ae

  ____|  (____|_ )
  _|  (____|_ /   Amazon Linux 2 AMI
  ____| \____|____|

https://aws.amazon.com/amazon-linux-2/
[ec2-user@slave1 ~]$
```

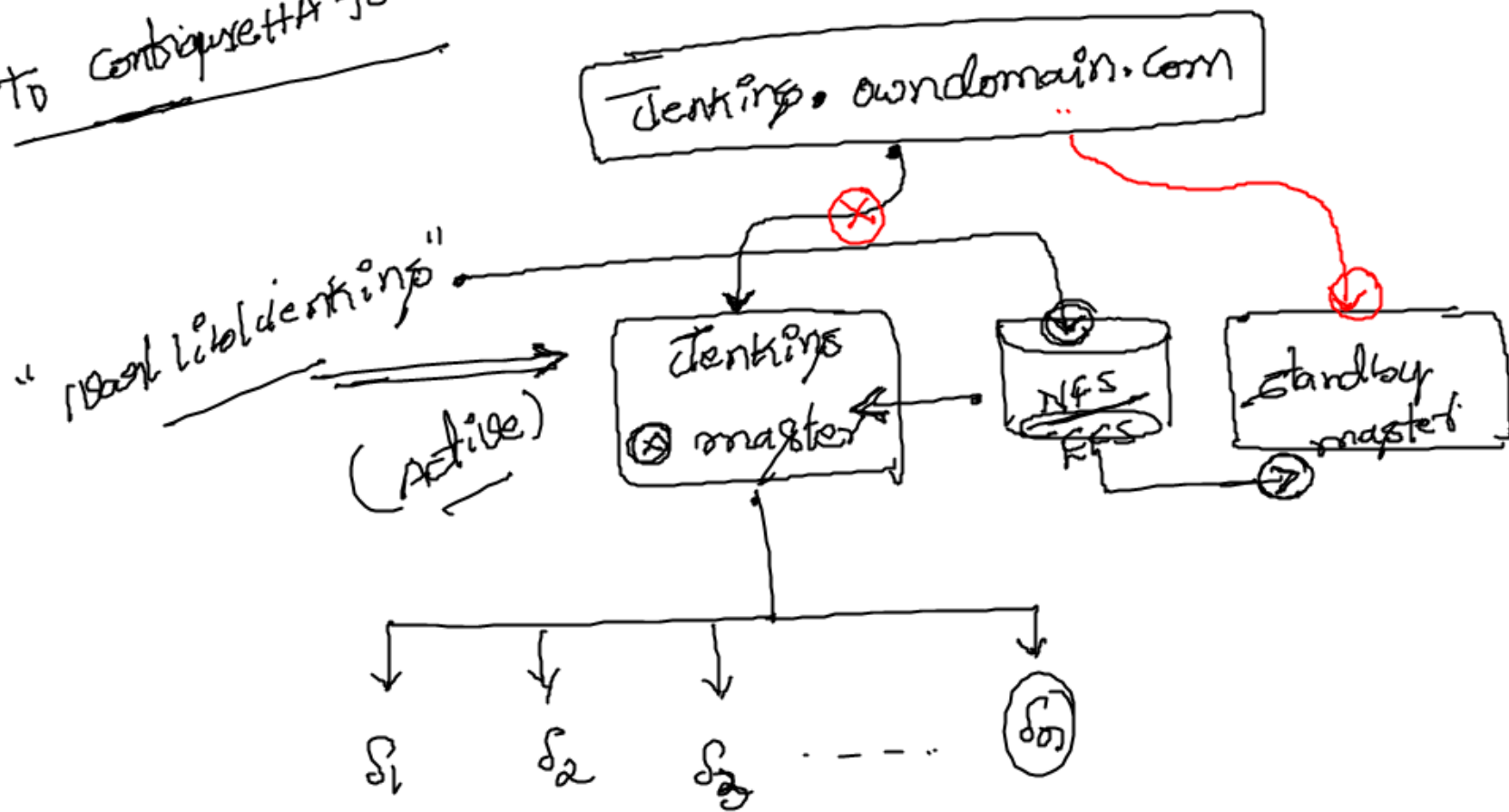
Java,  
(Jenkins slv)  
↓  
(Jenkins  
master)

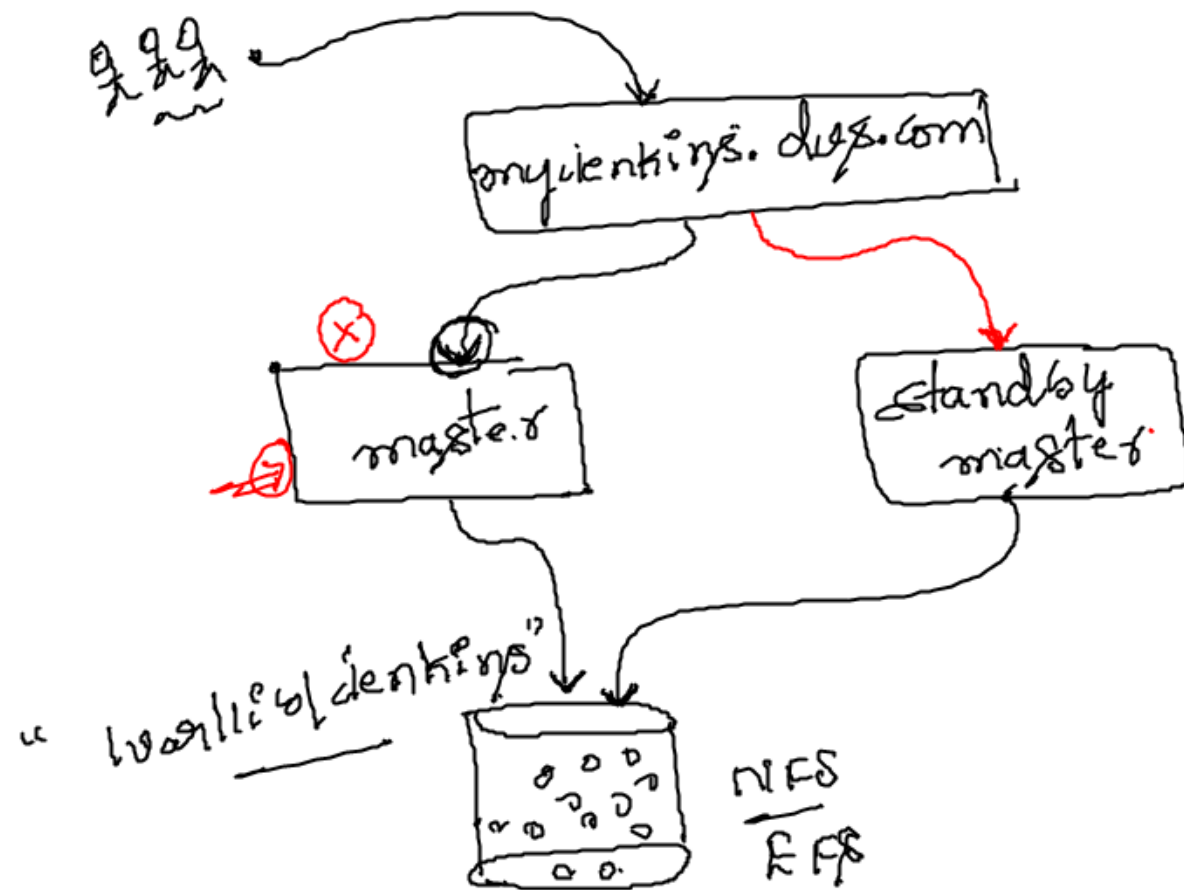
Java  
↓  
(Jenkins  
slave)



How to configure HA for Jenkins

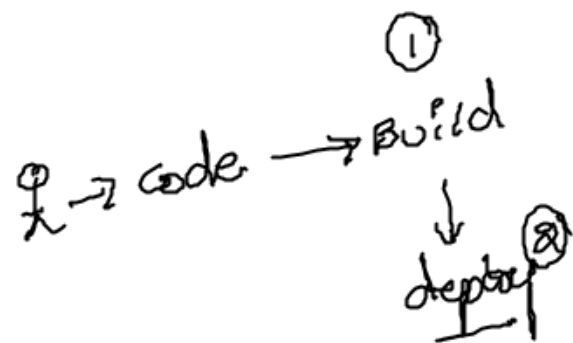
7/12



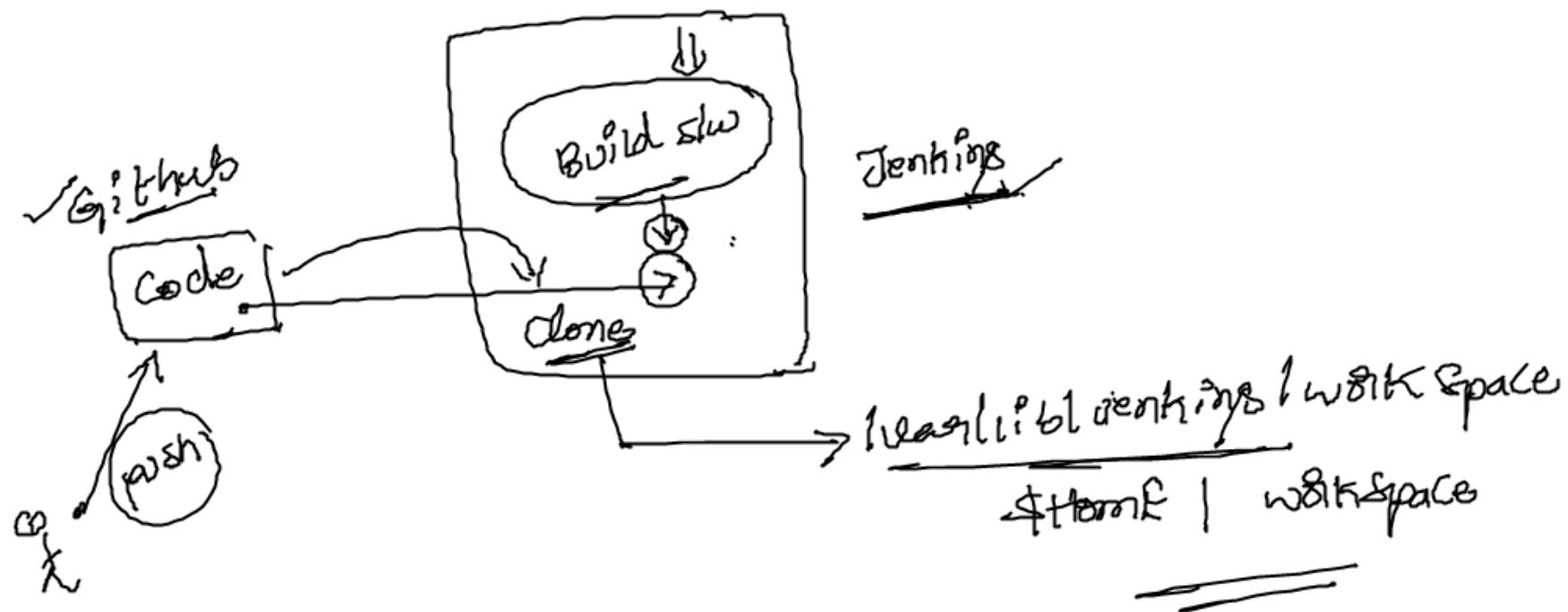




Job ÷



Jenkins support wide range of plugins



Builds only on masters

Jenkinsmaster  
↓

Jenkins user

[var/lib/jenkins | workspace | Buildname]

\$HOME

Jenkinslave  
↓

ec2-user

↓  
[home/ec2-user] → workspace  
\$HOME

plugins

note:- Never ~~ever~~ update all plugins at a time