Linux

package management
                θ

package == s|w

↓
.exe   windows

.rpm   linux

Sw installation

rpm

yum
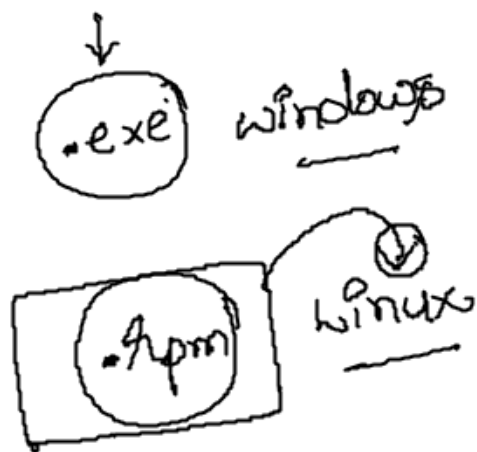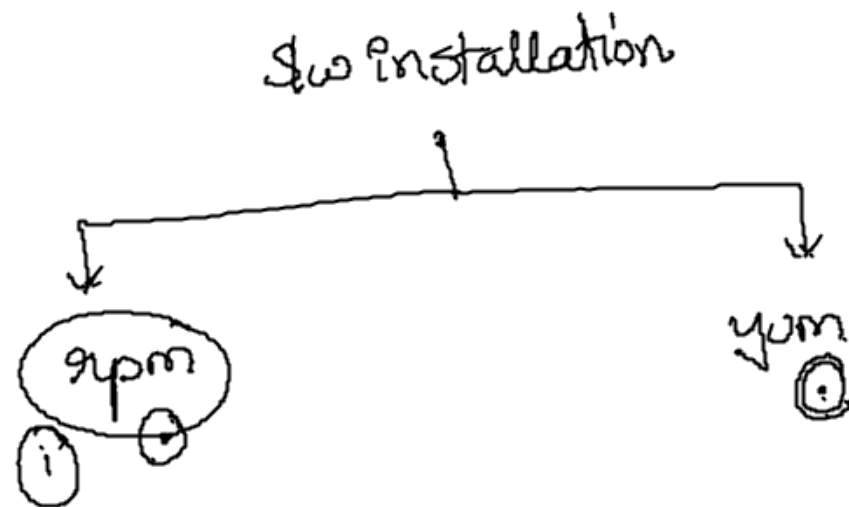
rpm → redhat package manager

installation

hashtag (#)

rpm $-i\,v\,h$ <Package name.rpm>   deletes (s/w)

verbose

rpm $-e$ <pkgname>

$\rightarrow$ information

rpm $-qi$ <pkgname>   rpm $-Uvh$ <pkgname>

query   update

rpm $-qa$ $\Rightarrow$ list all pkg's

drawbacks

windows → | MSoffice.exe |

100 dependencies

②

①ˢᵗ ② ③

rpm -ivh   pkg₁

③ → pkg₂ ① ②

② → pkg₃ ①

② ↓

① pkg₄

Supporting

dependent files

Installation window
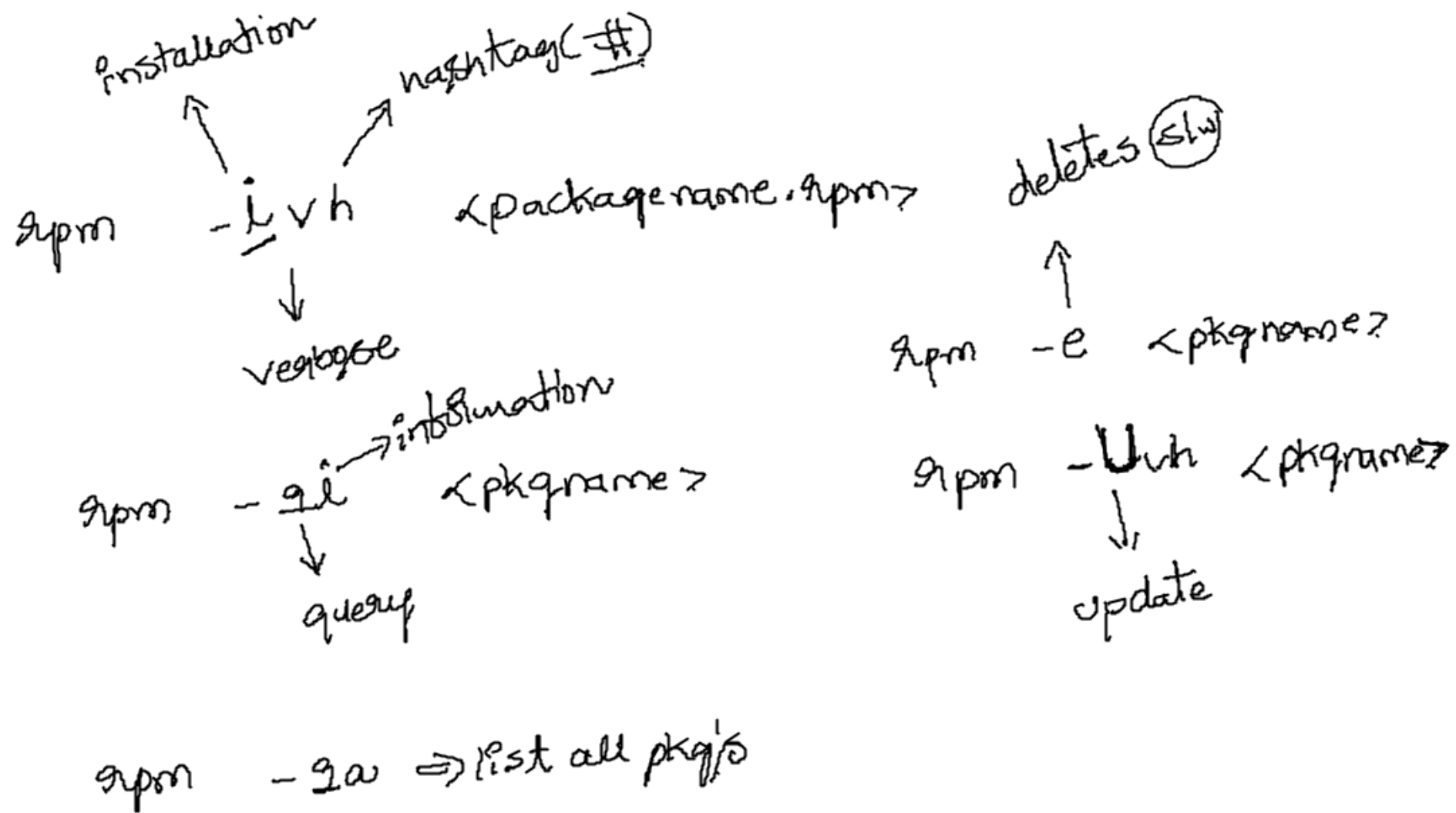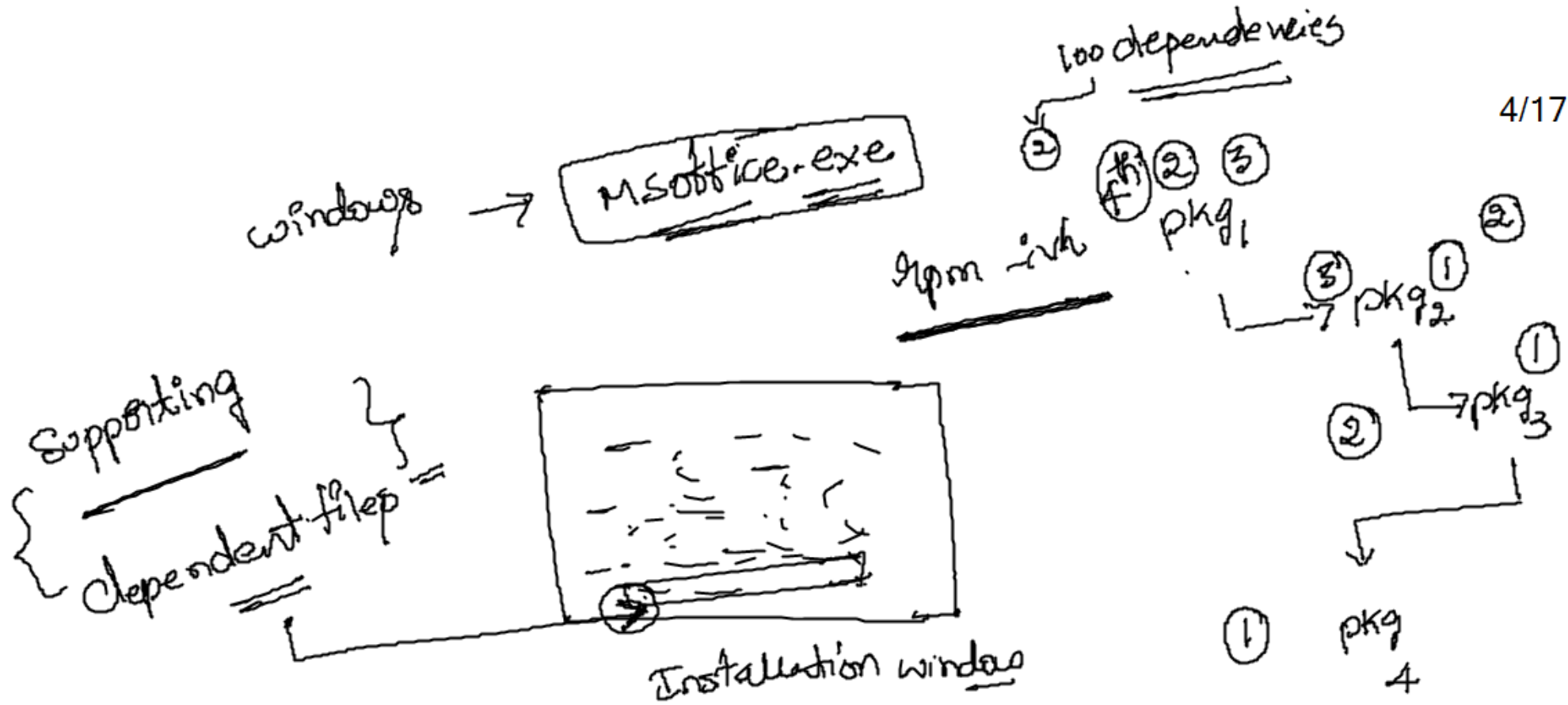
| rpm | ⟹ it will not resolve dependencies

yum install pkg

ping google.com (X)

MoZillafirefox → 50MB

Laptop

1000

Pendrive

1. Google
2. download
• Exe   Run

copy   2   3 ↑   1000
copy   copy   copy

yum install pkg

ping google.com (X)

shared drive

Network drive

Pendrive

copy

2 copy

3 copy

1000 copy

Internet

Repository
.server

nointernet

S_1

S_2

S_3

s/w

S_4

S_5

S_6

/etc/ yum.repos.d / my.site.repo
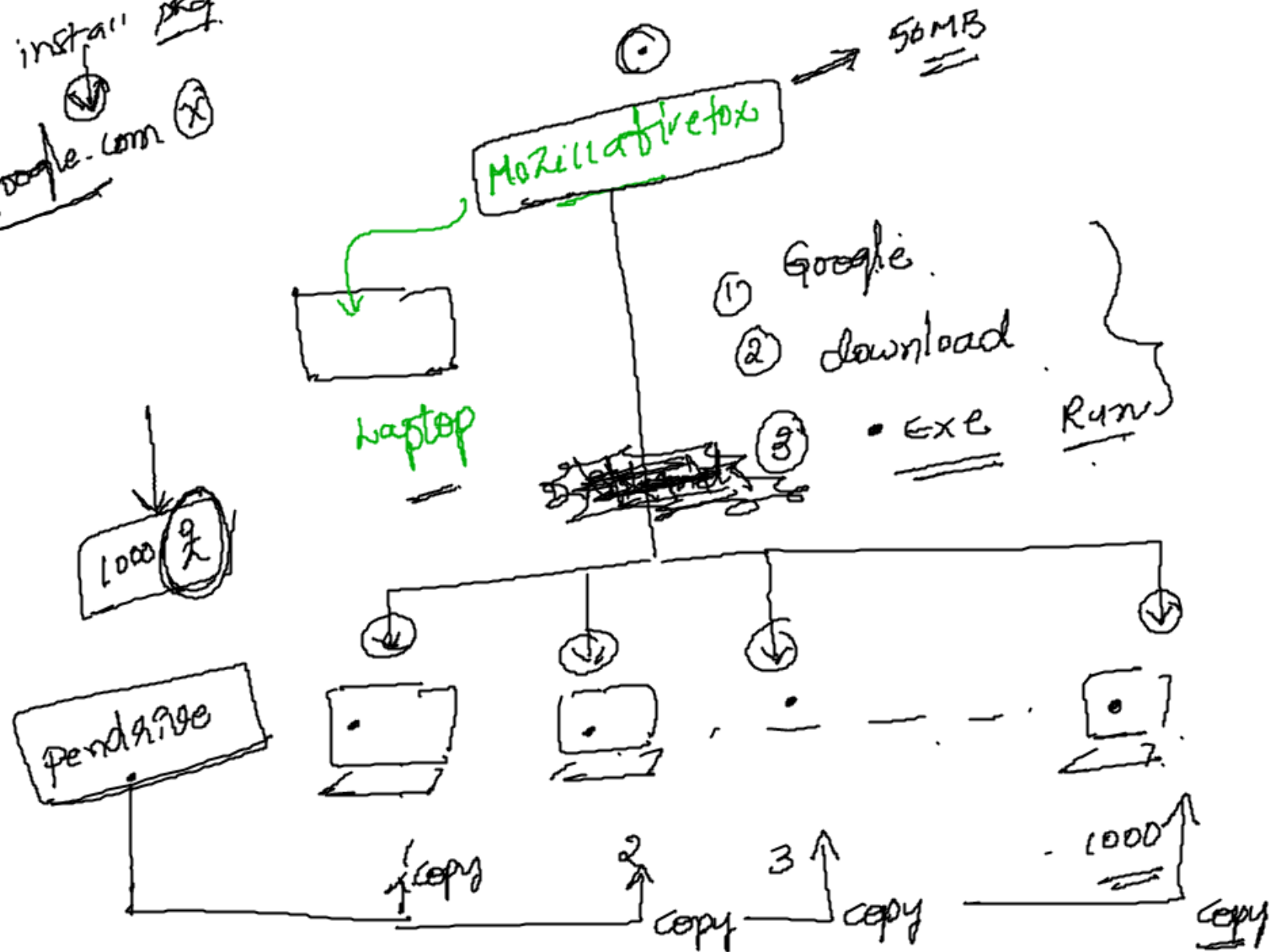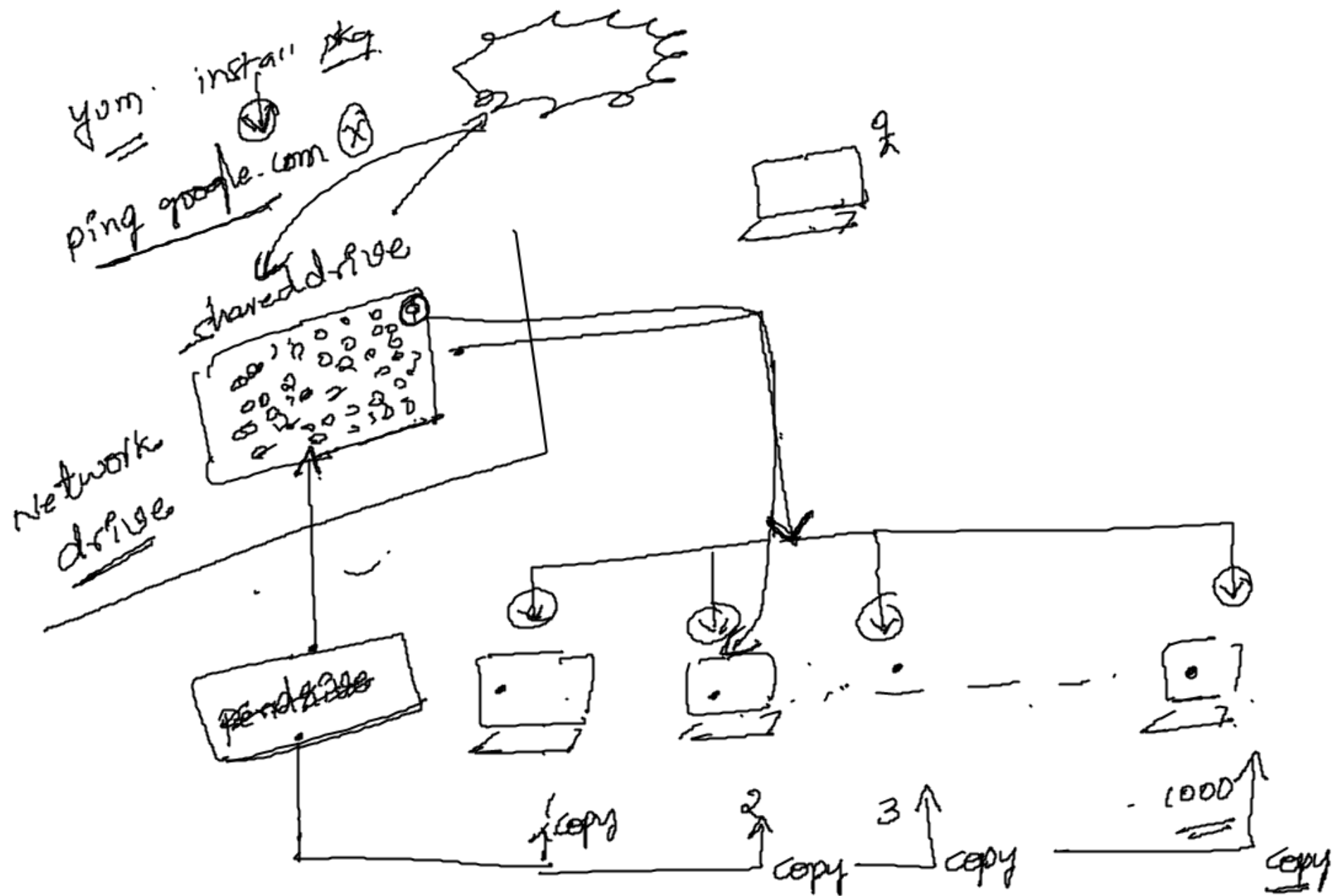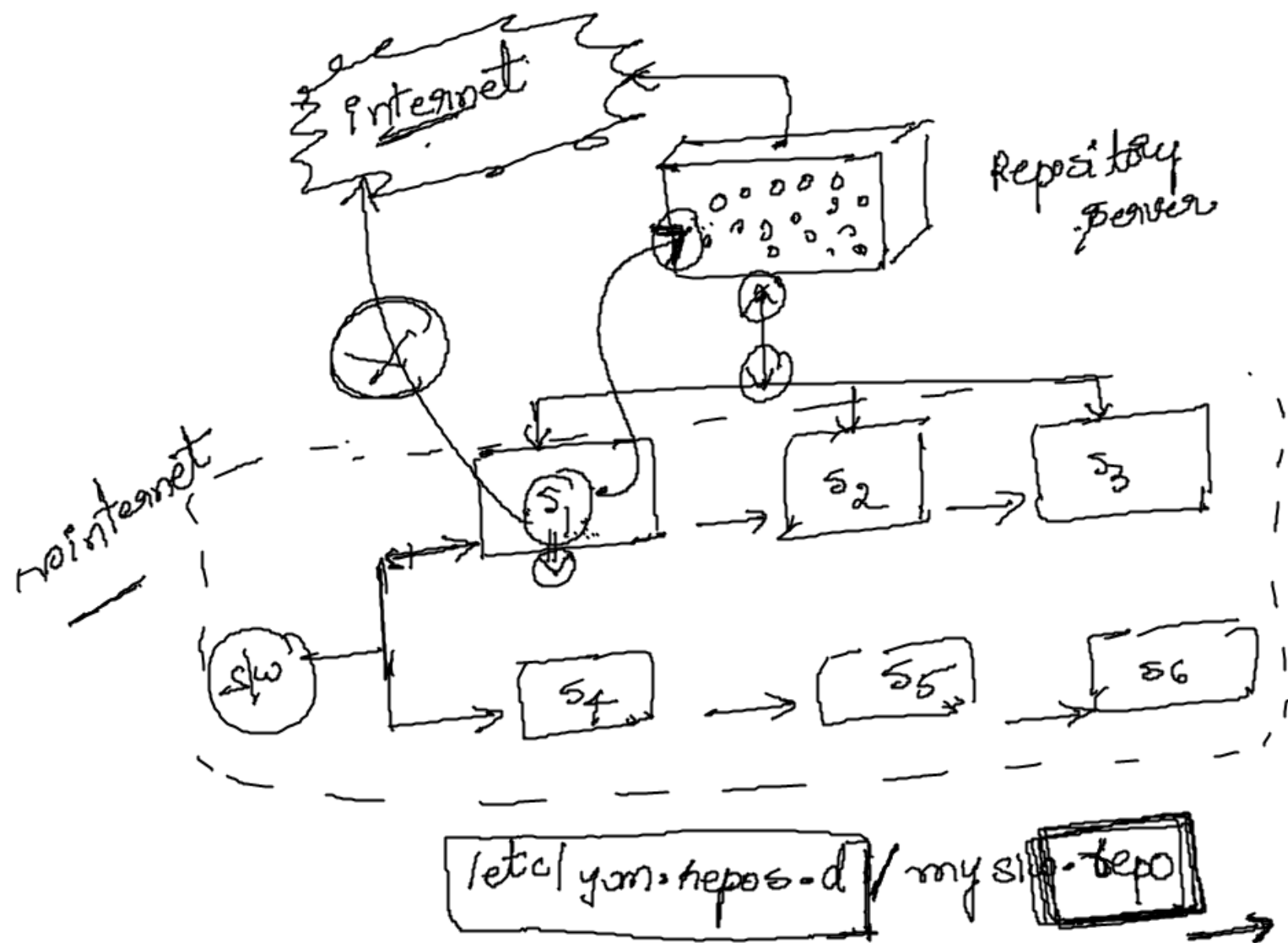
yum list all

yum install pkgname -y

yum update -y (Don't run this in
real time)

yum repolist

⊙ yum info pkgname

yum remove pkgname -y

yum list installed (list only installed
s/w)

yum clean all.

vim   [etc[yum.repos.d] mypackage.repo

0 → No internet

(→ internet

[name]

baseurl = http:// reposervername / reponame
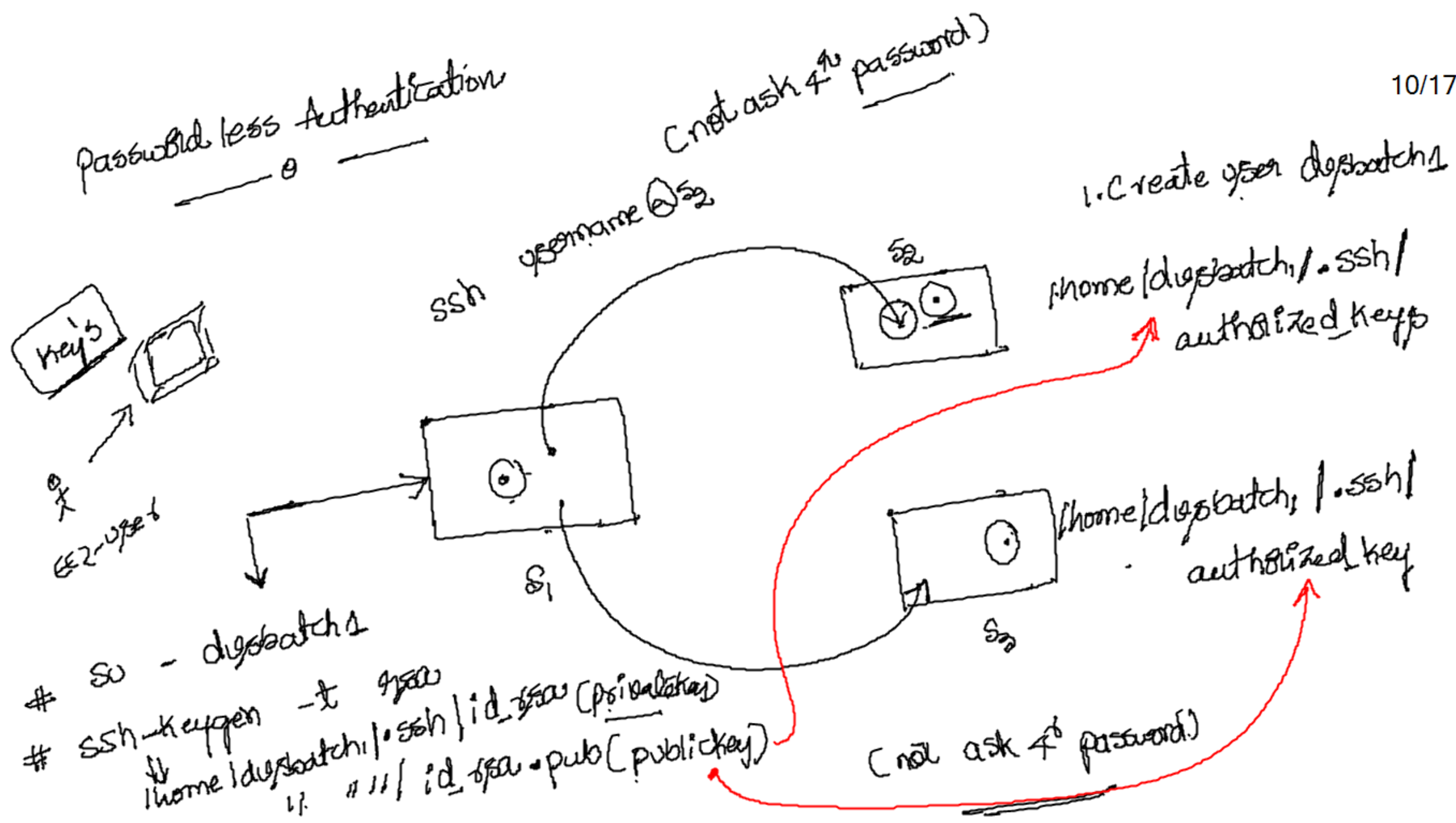   Ep

gpgcheck = 0

name = yourname

URL

85% LinuxAdmins

yum clean all

Password less Authentication
___ 0 ___

(not ask 4^u password)

ssh username @ s2

1. Create user dygsbatch1

s2

/home/dygsbatch1/.ssh/
authorized_keys

keys

ee2-user

s1

/home/dygsbatch1/.ssh/
authorized_key

s2

su - dygsbatch1
ssh-keygen -t rsa
↓ /home/dygsbatch1/.ssh/id_rsa (privatekey)
↓ # " " / id_rsa.pub (publickey)

(not ask 4° password)

① create user in all servers

② Generate key's for the user

③ Generate key's using ssh-keygen (command)

Note :-

directory

$\begin{cases} id\_rsa \\ id\_rsa.pub \end{cases}$

0/1

/home/dosbatch,

source

/home/dosbatch, .ssh

authorized keys
file

dest 1

dest 2

/home/dosbatch, .ssh

authorized keys

0/1 → server

username & keypair

. hidden

destination server

```
[root@server3 ~]# chown dvsbatch1:dvsbatch1 /home/dvsbatch1/.ssh/authorized_keys
[root@server3 ~]# history
    1  useradd dvsbatch1
    2  id -a dvsbatch1
    3  mkdir /home/dvsbatch1/.ssh
    4  chown dvsbatch1:dvsbatch1 /home/dvsbatch1/.ssh/
    5  chmod 700 /home/dvsbatch1/.ssh/
    6  echo "ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABAQCfAsiDD1P9m5TuTt1OWwGWusPkknlZkqYqJZNtl3th13LRs7MAVb95OXADm+X4J+qIETFqk
Fwje3TIh3XrRYW5LbYs+BQn6LhGXCO/buhPtyoBUljtAkD6zvdaeIB/Dv9EiCqFVTQwAWTVjj9xVJYxjvqlgrSXtk09HCjJbKAU8lejYsQoyylnjNupeDox3K8
CAoZ1Zo0bOb3rtvqZlgAmu51J5/dPebRyIOa1e/4Dbm16pPYzoojN8/pbTMrLOt34ZwS9JlI9FIxw6p1UBLT2cnKzPAI1IszZDYblQc5PEuIleybjoxlp+yLec
vjSIf/a7D0HFLbZwtpaeT/8iTuZ dvsbatch1@linuxserver
    7  echo "ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABAQCfAsiDD1P9m5TuTt1OWwGWusPkknlZkqYqJZNtl3th13LRs7MAVb95OXADm+X4J+qIETFqk
Fwje3TIh3XrRYW5LbYs+BQn6LhGXCO/buhPtyoBUljtAkD6zvdaeIB/Dv9EiCqFVTQwAWTVjj9xVJYxjvqlgrSXtk09HCjJbKAU8lejYsQoyylnjNupeDox3K8
CAoZ1Zo0bOb3rtvqZlgAmu51J5/dPebRyIOa1e/4Dbm16pPYzoojN8/pbTMrLOt34ZwS9JlI9FIxw6p1UBLT2cnKzPAI1IszZDYblQc5PEuIleybjoxlp+yLec
vjSIf/a7D0HFLbZwtpaeT/8iTuZ dvsbatch1@linuxserver" > /home/dvsbatch1/.ssh/authorized_keys
    8  chmod 600 /home/dvsbatch1/.ssh/authorized_keys
    9  chown dvsbatch1:dvsbatch1 /home/dvsbatch1/.ssh/authorized_keys
   10  history
[root@server3 ~]#
```

Ctrl

network

cloud ✓ (default)
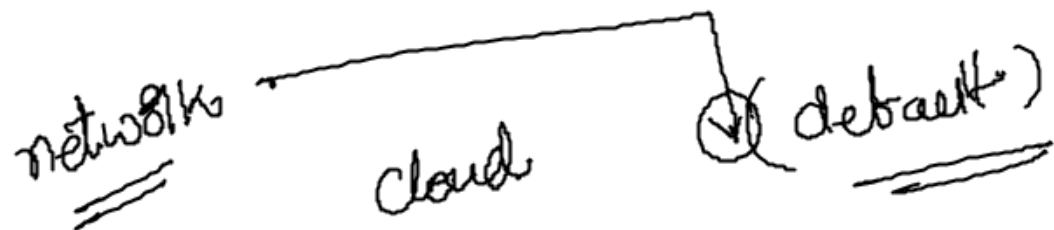
dhcp ⟹ dynamic host control protocol

note:- cloud never restart network service

/tmp

file1

copy

Linux server1

Linux server 2
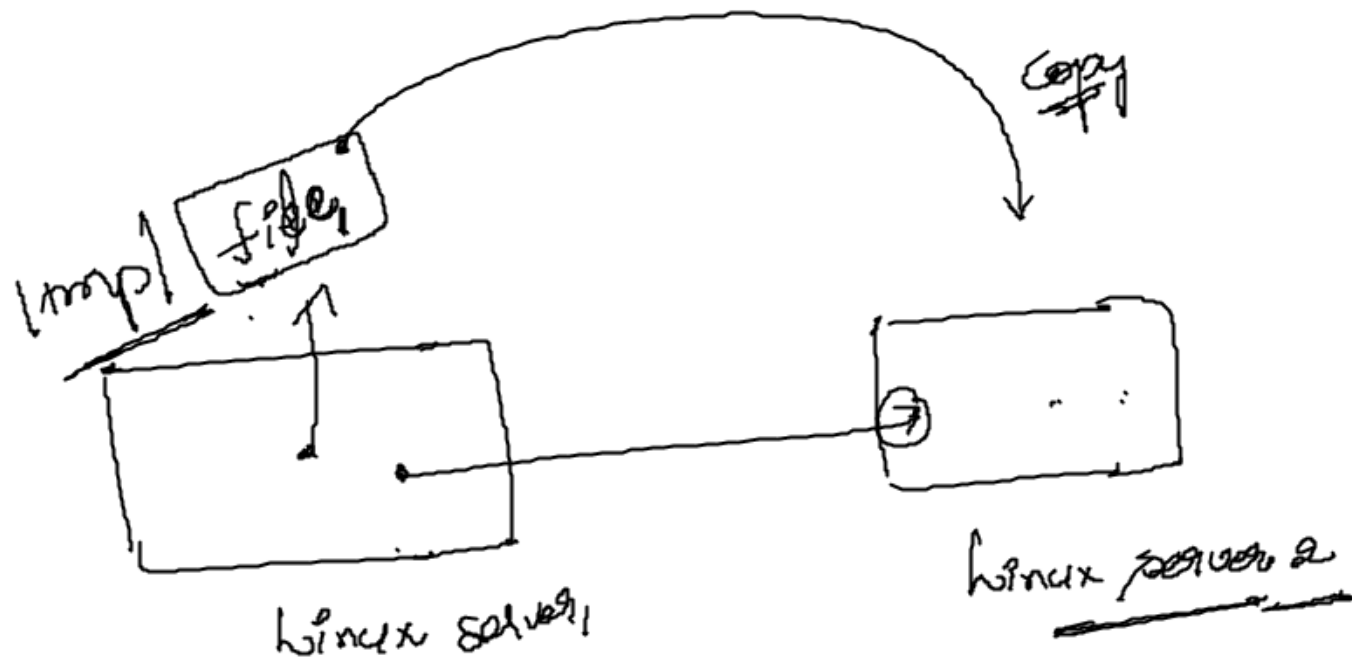
scp   filename   username@servername:/tmp

9to 11:30 tommorow

* shell skripting *

(not key)
(not password)

ssh dussatc,@ S_2

700
/home /dussatch,/.ssh/authorized keys

600

S_2

ssh-keygen

id_rsa
id_rsa.pub

S_1

S_3