

chmod 777 file_name

r-4
w-2
x-1

671

rw-rwx--x

r: → Primary group

chmod 671 file1

chown change owner & group
user or uid or gid
ownername : groupname

file2 {file2 --}

chown
change owner

chinnu
username

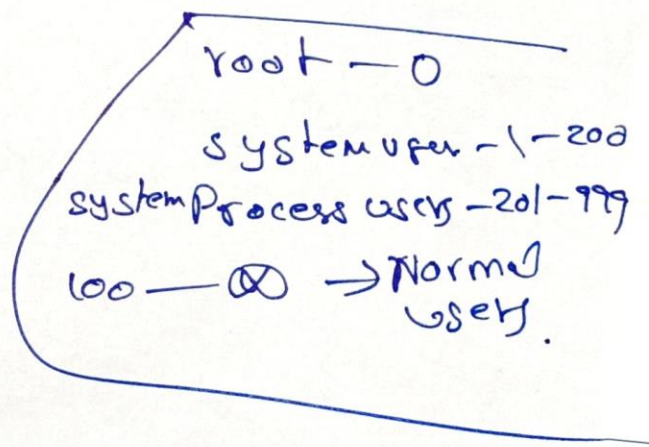
drw-rwx--x 1 chinnu root file 1

change group
chown

: chinnu file1
groupname

change both ownername & groupname
chown username groupname file1

umask number (0 00 0)
see umask permissions sticky bit special
umask



umask directory 777 → full permission
 files 666 → full permission

no execute permission
 if we get execut we will
 increase 1 permission

000
rwx

$\begin{array}{ccc} & & x \\ - & - & - \\ & 0 & \\ - & 0 & x \\ & & \\ r & & \\ - & & \\ & & x \\ r & & \\ - & & \\ & 0 & \\ - & 0 & \\ & & \\ r & w & x \end{array}$

$\begin{array}{ccc} 2^2 & 2^1 & 2^0 \\ 0 & 0 & 1 \end{array}$

0 1 0

0 1 1

1 0 0

1 0 1

1 1 0

1 1 1

1

2

3

4

5

6

7

umask 537

directory

777 - 537 = 240 - w x - - -

files

666 - 537 = 129 → masked

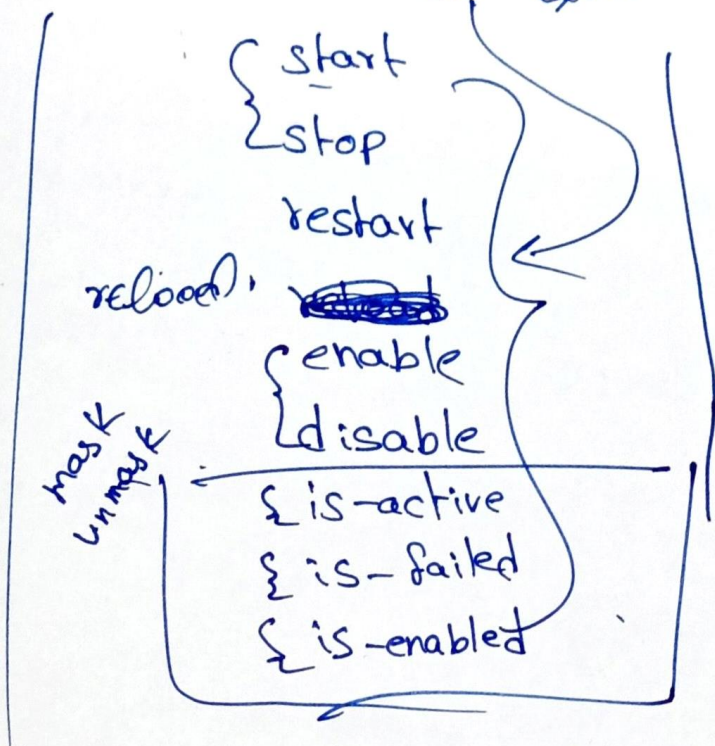
setfacl → set special user or group permission
 getfacl → see the permissions

setfacl -m u:username:rx filename
 -m g:groupname:rwx filename

✓ systemctl

status

service name



scribes
↓
reyslog
sahd
http

SSH → connect ~/.ssh/ Kdc.
 SS-keygen → Key generator
 SSH-agent → Non password authentication
 SSH-copy-id → copy id → ~

list-units

--- type = service

= socket

= path

= service - all

= socket - 911

= path - all

list-unit-file

 τ -type =

list-dependencies

Service name.

Journalctl. & journalctl
--since="--hour."

to view journal 4/19.

Includes extra information
about log events & binary
file index.

Networking Interface

en → ethernet ✓

wl → wlan (wireless local area network)

ww → wwlan (wireless wide area network)

ON → on board device
Number

PN → Number
Port

SN → Number
slot

IPv4 → 32 bit

00000000 00000000 : 00000000 00000000
8bit 8bit 8bit 8bit
0 - 255 192.168.1.1

IPv6 → 128 bit

To test the IP

ping IP (or) google.com
IPv4

ping6 IP (or) google.com
IPv6

ping -c 3 IP
Only send 3 packets
ping6 -c 3 IP

→ To see the list of interfaces available on your system

GP link show

→ To see about particular interface

GP link show interface_name

→ To see the interface statistics

IP -s link show

→ To see the interface statistics about particular interface

GP -ls link show interface_name.

→ To see the routing information of IPv4

GP route

→ To see the routing information of IPv6

GP -6 route

→ To trace the route where our system signal go while contacting particular webpage

TracePath google.com → IPv4

Tracepath6 google.com → IPv6

10

nmcli \rightarrow Create connection

modify "

delete 61

69

down

gframe expo3

device name

connection_name

del

up

down

Note: While adding the connection you need
connection_name type stream (frame) enpass
 ↓ device
 ethernet
 en po ports

to display all the network devices status

enpaz

enpas?

Interface (Jfhamo)

→ To display all the connection name

nmcli con

Show

nncll connection show

To see the connections which are active

nmcli con show --active

nmcli connection show --active

nmcli connection show connection-name

nmcli con show connection-name

ipvtu.addresses ipaddress /

ipvtu.gateway gateway-number

ipvtu.dns ~~dns~~ - number

↓
nameserver

ipvtu.method auto → auto start at time of system start

manual → manually start

+ ipvtu.addresses ipaddress /
add second ipaddress

↓
ipvtu . .

→ all the connection will store at
/etc/sysconfig/network-scripts/

ifcfg-k20p9

→ To see disconnected devices

nmcli dev dis device name

delete the herwork connection
nmeli con del k2opcy

To make connection active

nmcli con up k202g

To disconnect the network connection,

hmac con this k20ng type ethernet gfname enpos

nmcli con add con-name k20pg [↑] gpvu.
address 192.168.9.4/24 gpvu.gateway 192.168.0.1
~~gpvu.method auto~~ ~~gpvu.method~~ 192.168.0.1
gpvu.method auto. dns

~~⇒ melli con~~

→ To see the IP address of particular connect
~~name~~ addr show ~~can~~ device-name
 Sp

nmcli con reload

tar → archive

tar option tarfilename.tar

Files you want
to make

-c(f) -create
-x(f) -~~extract~~
-t(f) → list

-r(f) -append -Imp

-P(f) → to save the permissions

-czf

-cjf

-cjf

gzip conversion (-tar.gz)

bzip2 better compression than
tar.bz2

xz compression (tar.xz)

gzip