* Usen and Groups:

pst User

2nd Oser

Rizon

tasa

Rizon can't access task user.

Viron => UID * (inur system was the UID the wer ID, to identifying waser.

* Groups:

The system also use groups to manage the permission and this groups are simply just a set of users with similar permission.

Web developers Devops DBMS

4
2
1 -> people

You can create certain groups for this users and grant these groups some permissions which would also applicable to the specific users of that groups so that where groups come handly to catergorize different people into different categories.

So different groups has different GTD, whike ULD

So different groups how different WLD, WAKE VIEW (or Group ID

* Roof User / Supernor:

wer

- + The most powerful, in the system.
- * It can access any file in the System
- in the ertire system.

rizon@rizon:~\$ cat /etc/shadow
cat: /etc/shadow: Permission denied

You cannot access everything e.g. ? for that we have sudo.

+ Sudo:

* Superuser do

rizon@rizon:~\$ sudo cat /etc/shadow
[sudo] password for rizon:
root:!:19128:0:99999:7:::
daemon:*:19101:0:99999:7:::
sys:*:19101:0:99999:7:::
sync:*:19101:0:99999:7:::
games:*:19101:0:99999:7:::
man:*:19101:0:99999:7:::
lp:*:19101:0:99999:7:::
mail:*:19101:0:99999:7:::

Now you can access it.

But it's not good pratice to always we sudo command, as you might end up deleting some file and altimate system cross.

* Sudo su: It make voot war of my system inside the home directory

rizon@rizon:~\$ sudo su
[sudo] password for rizon:
root@rizon:/home/rizon#

To go out for this type exit.

- * etc/sudoes: controls who can ven cohat commands as what wers on what machine and Can also control special things sher as whether you need a password for particular commands.
- * Sudo cat Letc/pushed: You can see lot of wers here.

rizon@rizon:~\$ sudo cat /etc/passwd root:x:0:0:root:/root:/bin/bash daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin bin:x:2:2:bin:/bin:/usr/sbin/nologin sys:x:3:3:sys:/dev:/usr/sbin/nologin sync:x:4:65534:sync:/bin:/bin/sync games:x:5:60:games:/usr/games:/usr/sbin/nologin

```
voot: x:0:0: rool:/wot:/bin/bash

() () () () () () ()

() -> wername

() -> password (Stored in file

(A) -> comment about the wer/

(Alled Shawdow)

(Wer IT)

(A) -> User Shell
```

* ctc/ Shadow:

```
rizon@rizon:~$ sudo cat /etc/shadow
root:!:19128:0:99999:7:::
daemon:*:19101:0:999999:7:::
bin:*:19101:0:999999:7:::
sys:*:19101:0:99999:7:::
games:*:19101:0:99999:7:::
man:*:19101:0:99999:7:::
lp:*:19101:0:99999:7:::
mail:*:19101:0:99999:7:::
uucp:*:19101:0:99999:7:::
proxy:*:19101:0:99999:7:::
www-data:*:19101:0:99999:7:::
```

| | \bigcirc | (2) | (3) | (4) | (3) | 6 600 | |
|---------------------------------|------------|-------------|----------------|-----------|------------|---------------------|--------|
| $\bigcirc \rightarrow$ | asername | | | | | | |
| (2) | encrpbed | passio or d | | | | | |
| $(\mathfrak{Z})\to$ | Date of | last pr | ss chan e | | | | |
| | (2) | ays sind | e et Jan | 1970 (H | nat how i | t maintain date) | |
| (4) -> | Minimum | passo | ord age. (| no of da | ys to chan | ge the Plassword he | en its |
| | | | | | | b'). | |
| $(\mathcal{F}) \longrightarrow$ | , maximu | w bus | word age | (the ro | of drays | you need to change | |
| | | | | | the pc | is word) | |
| (b) -> | , Garnin | g peroi | d for the | . Pussioo | rd | | |
| $(7) \longrightarrow$ | Passw | out exp | iry Peroil | | | | |
| | Account | Fyp | date | | | | |
| (9) | > Reserve | ed Field | d | | | | |
| t PAM | : Plugg | able A | uth entication | n ModWe | | | |

& etc/ group;

rizon@rizon:~\$ sudo cat /etc/group

гооt:x:0:
() (2) (3) (9)

- (i) -> Group Name
- 6 -> Group Pass word
- 3) -> Group ID (GLD)
- (9) -> list of uses.
- * Useradd and Userdel:

rizon@rizon:~\$ sudo userdel tasa

* change Password:

rizon@rizon:~\$ sudo passwd rizon

Wername

* Sulo-heltrane:

rizon@rizon:~\$ sudo hostname rizonkumar