BASIC LINUX COMMANDS 3

1. usermod: usermod command is used to change the properties of a user in Linux through the command line command-line utility that allows you to modify a user's login information.

```
Usage userned [options] LOGIN

Options:

Options:

Options:

-d. -home HOME_DIR DATE

-d. -log coups GROUPS

-d. -groups GROUPS

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-d. -home HOME_DIR DATE

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-d. -home HOME_DIR DATE

-d. -log coups GROUPS

-d. -l
```

2. groupadd: groupadd command creates a new group account using the values specified on the command line and the default values from the system.

3. groups : print the groups a user is in#groups alice.

```
user@user-HP-Laptop-15-da0xxx:~/silja$ groups
user adm cdrom sudo dip plugdev lpadmin sambashare
user@user-HP-Laptop-15-da0xxx:~/silja$
```

4. groupdel: groupdel command modifies the system account files, deleting all entries that refer to group. The named group must exist #groupdel marketin.

5. groupmod . The groupmod command modifies the definition of the specified group by modifying the appropriate entry in the group database. # groupmod -n group1 group2 .

6. chmod . To change directory permissions of file/ Directory in Linux. #chmod whowhatwhich file/directory chmod +rwx filename to add permissions. chmod -rwx directoryname to remove permissions. chmod +x filename to allow executable permissions. chmod -wx filename to take out write and executable permissions. #chmod u+x test #chmod g-rwx test #chmod o-r test 4

7. chown :The chown command allows you to change the user and/or group ownership of a given file, directory. #chownTom Test

8. id :id command in Linux is used to find out user and group names and numeric ID's (UID or group ID) of the current user. • #id

```
user@user-HP-Laptop-15-da0xxx:-$ td
uid=1000(user) gid=1000(user) groups=1000(user),4(adm),24(cdrom),27(sudo),30(dip),46(plugdev),116(lpadmin),126(sambashare)
user@user-HP-Laptop-15-da0xxx:-$
```

9. ps: The ps command, short for Process Status, is a command line utility that is used to display or view information related to the processes running in a Linux system. PID – This is the unique process ID TTY–This is the type of terminal that the user is logged in to . TIME – This is the time in minutes and seconds that the process has been running .CMD – The command that launched the process #ps -a 5

```
user@user-HP-Laptop-15-da0xxx:~$ ps
PID TTY TIME CMD
2171 pts/0 00:00:00 bash
2222 pts/0 00:00:00 ps
```

10. top :top command is used to show the Linux processes. It provides a dynamic real-time view of the running system #top —u rose

| top - 02:22:41 up 16 mtn, 1 user, load average: 0.46, 0.45, 0.33 transcription of the property | |
|--|--|
| %CDU(s): 9.0 us; 1.0 sy, 5:0 nl, 89.8 td; 0.1 wa; 0:0 hl, 0.1 st, 0.0 st KlB Mem: 3952728 total, 2466640 free, 774600 used, 711488 buff/cache KlB Swap: 2097148 total, 2097148 free, 0 used, 2689376 avail Mem PID USER PR NI VIRT RES SHRS %CPU %MEM TIME+ COMMAND 1027 user 20 0 3968744 271788 71188 R 23.4 6.9 107.22 gnome-shell 2000 user 20 0 863740 61188 36744 S 2.0 1.3 6:22.83 nautilus | |
| KiB Mem: 3952728 total, 2466640 free, 774600 used, 711488 buff/cache KiB Swap: 2097148 total, 2097148 free, 0 used, 2689376 avail Mem PID USER PR NI VIRT RES SHR 5 %CPU %MEM TIME+ COMMAND 1027 user 20 0 3968744 271788 71188 R 23.4 6.9 1:07.22 gnome-shell 874 user 20 0 501700 51102 38280 S 2.0 1.3 0:14.65 Xorg 2000 user 20 0 863740 61188 36744 S 2.0 1.5 0:02.83 nautilus | |
| KIB Swap: 2097148 total, 2097148 free, 0 used. 2689376 avail Mem PID USER PR NI VIRT RES SHR 8 WCPU WMEM TIME+ COMMAND 1027 user 20 0 3968744 271788 71188 R 23.4 6.9 1:07.22 gnome-shell 200 0 803740 01188 30744 \$ 2.0 1.5 0:02.38 Auditus | |
| 1037 user 20 0 3268744 271788 71188 R 23.4 6.9 1:07.22 gnome-shell 20.0 user 20 0 863740 61188 36744 \$ 2.0 1:3 6:52.83 Austitus | |
| 1037 user 20 0 3268744 271788 71188 R 23.4 6.9 1:07.22 gnome-shell 20.0 user 20 0 863740 61188 36744 \$ 2.0 1:3 6:52.83 Austitus | |
| 874 user 20 0 501700 51192 38280 S 2.0 1.3 0:14.65 Xorg 2000 user 20 0 863740 61188 36744 S 2.0 1.5 0:02.83 nautilus | |
| 2000 user 20 0 863740 61188 36744 S 2.0 1.5 0:02.83 nautilus | |
| | |
| | |
| 2345 user 20 0 353676 20436 15916 R 1.3 0.5 0:00.04 gnome-screensho | |
| 1069 user 20 0 377668 9788 8136 S 0.7 0.2 0:03.70 lbus-daemon | |
| 262 root 19 -1 95052 15356 14368 S 0.3 0.4 0:00.46 systemd-journal | |
| 880 user 20 0 50956 5256 3672 S 0.3 0.1 0:01.10 dbus-daemon | |
| 1011 user 20 0 220784 6920 6220 S 0.3 0.2 0:00.18 at-spi2-registr 1287 user 20 0 220996 8192 7372 S 0.3 0.2 0:01.13 ibus-engine-sim | |
| 1287 user 20 0 220996 8192 7372 S 0.3 0.2 0:01.13 ibus-engine-sim 2270 user 20 0 803140 38608 28184 S 0.3 1.0 0:02.16 gnome-terminal- | |
| 22/0 USEF 20 0 803140 8008 28184 5 0.3 1.0 0:02.10 gnome-terminat- 2323 USEF 20 0 51380 4024 3368 R 0.3 0.1 0:02.26 top | |
| 1 root 20 0 225496 9260 6724 S 0.0 0.2 0:02.92 systemd | |
| 2 root 20 0 0 0 0 0 0 0 0.0 0.0 0.00 kthreadd | |
| 3 root 0 -20 0 0 0 1 0.0 0.0 0:00.00 rcu_gp | |
| 4 root 0 -20 0 0 0 1 0.0 0.0 0:00.00 rcu_par_gp | |
| 6 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 kworker/0:0H-kb | |
| 7 root 20 0 0 0 0 0 0.0 0.0 0:00.38 kworker/u8:0-ev | |
| 8 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 mm_percpu_wq | |
| 9 root 20 0 0 0 0.0 0:00.02 ksoftirgd/0 | |
| 10 root 20 0 0 0 1 0.0 0.0 0:00.50 rcu_sched 11 root 20 0 0 0 1 0.0 0.0 0:00.00 rcu bh | |
| 12 root rt 0 0 0 0 0 0.0 0.0 0.00.00 migration/0 | |
| 13 root rt 0 0 0 0 5 0.0 0.0 0:00.00 watchdog/0 | |
| 14 root 20 0 0 0 0 5 0.0 0.0 0:00.00 cpuhp/0 | |
| 15 root 20 0 0 0 0 5 0.0 0.0 0:00.00 cpuhp/1 | |
| 16 root rt 0 0 0 0 S 0.0 0.0 0:00.00 watchdog/1 | |
| 17 root rt 0 0 0 0 5 0.0 0.0 0:00.00 migration/1 | |
| 18 root 20 0 0 0 0 5 0.0 0.0 0:00.02 ksoftirqd/1 | |
| 19 root 20 0 0 0 0 0.0 0:00.13 kworker/1:0-eve 20 root 0 -20 0 0 0 0 0:00.00 kworker/1:0H-kb | |
| 20 root | |
| 22 root rt 0 0 0 0 5 0.0 0.0 0:00.00 watchdog/2 | |
| 23 root rt 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | |
| 24 root 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | |
| 26 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 kworker/2:0H-kb | |
| 27 root 20 0 0 0 0 0 0.0 0.0 0:00.00 cpuhp/3 | |
| 28 root rt 0 0 0 0 5 0.0 0.0 0:00.00 watchdog/3 | |
| 29 root rt 0 0 0 0 5 0.0 0.0 0:00.00 migration/3 | |
| 30 root 20 0 0 0 0 5 0.0 0.0 0:00.01 ksoftirqd/3 | |
| 32 root | |
| 34 root 0 -20 0 0 0 1 0.0 0.0 0:00.00 kdevimpis | |
| 35 root 20 0 0 0 0 0 0 0:00.00 rcu_tasks_kthre | |
| 36 root 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | |
| 38 root 20 0 0 0 0 I 0.0 0.0 0:00.21 kworker/0:2-mm | |
| 40 root 20 0 0 0 0 5 0.0 0.0 0:00.00 khungtaskd | |
| 41 root 20 0 0 0 0 5 0.0 0.0 0:00.00 oom reaper | |