

WHO, W AND LAST COMMANDS



How can I know who is logged into my system?

How can I know what is he/she doing in my system?

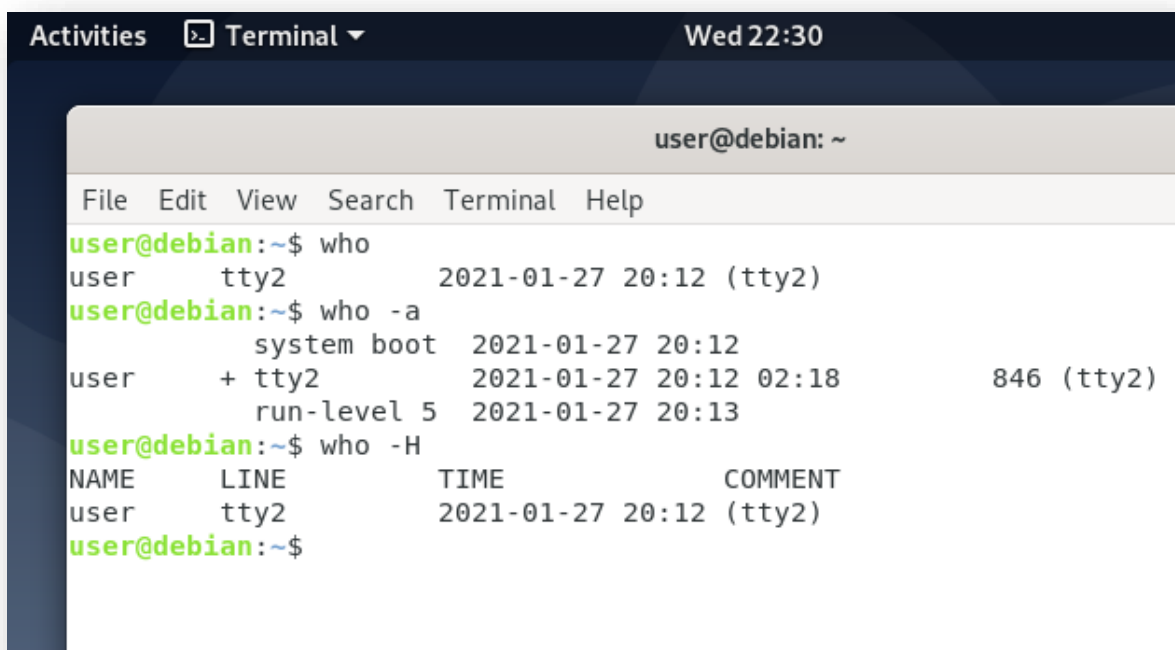
How can I find out who has been connected to my system?

To answer those questions, we have 3 simple but valuable commands on Linux systems:

1. **who**: It is used to see which users are connected at the moment of the command execution. It has certain parameters to modify the output like “-a” or “-h” it looks like this “**who -a**” or “**who -h**”.
2. **w**: Has the same functionality as the previous command but also lets us know what operations have been done.
3. **last**: It is used to display the list of last connected users.

Let's take a look:

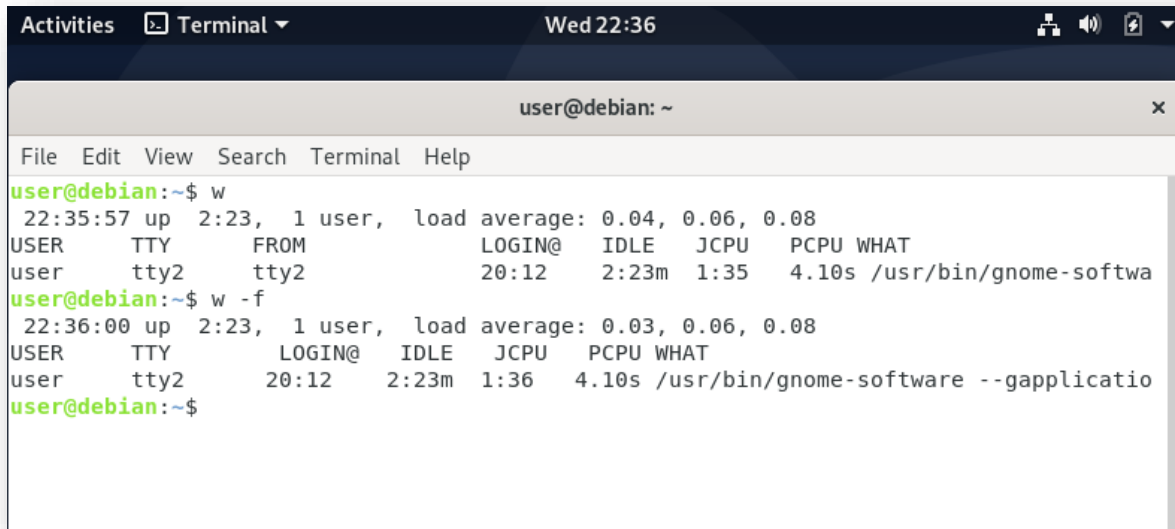
Command “who”, “who -a” and “who -h”



The screenshot shows a terminal window titled "Terminal" with a dark theme. The prompt is "user@debian: ~". The terminal displays the following commands and their outputs:

```
user@debian:~$ who
user      tty2          2021-01-27 20:12 (tty2)
user@debian:~$ who -a
            system boot    2021-01-27 20:12
user      + tty2          2021-01-27 20:12 02:18      846 (tty2)
            run-level 5    2021-01-27 20:13
user@debian:~$ who -h
NAME      LINE      TIME      COMMENT
user      tty2      2021-01-27 20:12 (tty2)
user@debian:~$
```

Command “w”, “w -f”

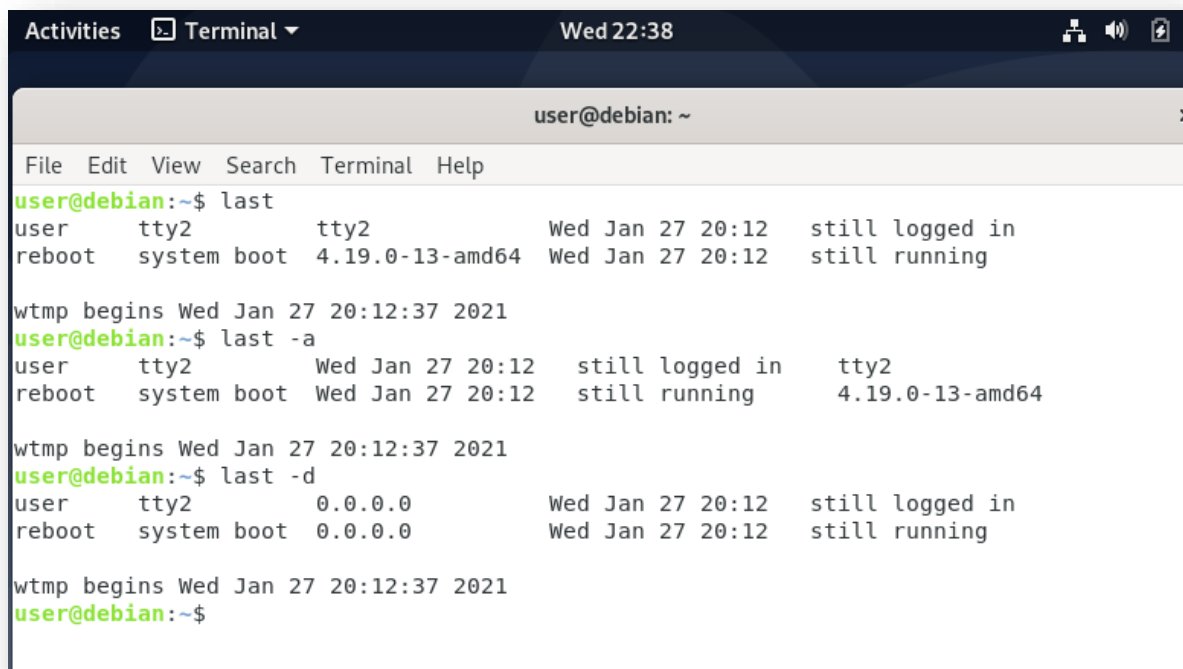


```

Activities  Terminal  Wed 22:36
user@debian: ~
File Edit View Search Terminal Help
user@debian:~$ w
 22:35:57 up  2:23,  1 user,  load average: 0.04, 0.06, 0.08
USER      TTY      FROM            LOGIN@   IDLE   JCPU   PCPU WHAT
user      tty2     tty2            20:12    2:23m  1:35   4.10s /usr/bin/gnome-softwa
user@debian:~$ w -f
 22:36:00 up  2:23,  1 user,  load average: 0.03, 0.06, 0.08
USER      TTY      LOGIN@  IDLE   JCPU   PCPU WHAT
user      tty2     20:12   2:23m  1:36   4.10s /usr/bin/gnome-software --gapplicatio
user@debian:~$

```

Command “last” “last -a” “last -d”



```

Activities  Terminal  Wed 22:38
user@debian: ~
File Edit View Search Terminal Help
user@debian:~$ last
user      tty2     tty2            Wed Jan 27 20:12  still logged in
reboot    system boot  4.19.0-13-amd64 Wed Jan 27 20:12  still running

wtmp begins Wed Jan 27 20:12:37 2021
user@debian:~$ last -a
user      tty2     Wed Jan 27 20:12  still logged in  tty2
reboot    system boot  Wed Jan 27 20:12  still running    4.19.0-13-amd64

wtmp begins Wed Jan 27 20:12:37 2021
user@debian:~$ last -d
user      tty2     0.0.0.0          Wed Jan 27 20:12  still logged in
reboot    system boot  0.0.0.0          Wed Jan 27 20:12  still running

wtmp begins Wed Jan 27 20:12:37 2021
user@debian:~$

```

I Hope you learned something new today. thanks