

Top su Kali

```
alessio@kali:~
```

File Actions Edit View Help

```
top - 06:01:28 up 5 min,  1 user,  load average: 0.30, 0.21, 0.10
Tasks: 153 total,  1 running, 152 sleeping,  0 stopped,  0 zombie
%Cpu(s): 0.2 us, 1.0 sy, 0.0 ni, 98.6 id, 0.0 wa, 0.0 hi, 0.2 si, 0.0 st
MiB Mem : 1981.2 total, 1015.7 free, 555.2 used, 410.3 buff/cache
MiB Swap: 975.0 total, 975.0 free, 0.0 used. 1276.0 avail Mem
```

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
660	root	20	0	377528	99508	55468	S	2.0	4.9	0:04.61	Xorg
876	alessio	20	0	152916	2704	2228	S	0.3	0.1	0:00.52	VBoxClient
976	alessio	20	0	203996	27528	18340	S	0.3	1.4	0:00.70	panel=13-cpugra
1006	alessio	20	0	465432	103692	85032	S	0.3	5.1	0:00.65	qterminal
1	root	20	0	183904	12068	8900	S	0.0	0.6	0:00.61	systemd
2	root	20	0	0	0	0	S	0.0	0.0	0:00.00	kthreadd
3	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	rcu_gp
4	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	rcu_par_gp
5	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	slub_flushwq
6	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	netns
8	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kworker/0:0H-events_highpri
9	root	20	0	0	0	0	I	0.0	0.0	0:00.02	kworker/u4:0-flush-8:0
10	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	mm_percpu_wq
11	root	20	0	0	0	0	I	0.0	0.0	0:00.00	rcu_tasks_kthread
12	root	20	0	0	0	0	I	0.0	0.0	0:00.00	rcu_tasks_rude_kthread
13	root	20	0	0	0	0	I	0.0	0.0	0:00.00	rcu_tasks_trace_kthread
14	root	20	0	0	0	0	S	0.0	0.0	0:00.02	ksoftirqd/0
15	root	20	0	0	0	0	I	0.0	0.0	0:00.09	rcu_preempt
16	root	rt	0	0	0	0	S	0.0	0.0	0:00.00	migration/0
18	root	20	0	0	0	0	S	0.0	0.0	0:00.00	cpuhp/0
19	root	20	0	0	0	0	S	0.0	0.0	0:00.00	cpuhp/1
20	root	rt	0	0	0	0	S	0.0	0.0	0:00.14	migration/1
21	root	20	0	0	0	0	S	0.0	0.0	0:00.03	ksoftirqd/1
22	root	20	0	0	0	0	I	0.0	0.0	0:00.05	kworker/1:0-events
23	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kworker/1:0H-events_highpri
25	root	20	0	0	0	0	I	0.0	0.0	0:00.86	kworker/u4:1-events_unbound
26	root	20	0	0	0	0	S	0.0	0.0	0:00.01	kdevtmpfs
27	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	inet_frag_wq
28	root	20	0	0	0	0	S	0.0	0.0	0:00.00	kaudit
29	root	20	0	0	0	0	S	0.0	0.0	0:00.00	khungtaskd
30	root	20	0	0	0	0	S	0.0	0.0	0:00.00	oom_reaper
31	root	20	0	0	0	0	I	0.0	0.0	0:00.03	kworker/u4:2-flush-8:0
32	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	writeback
33	root	20	0	0	0	0	S	0.0	0.0	0:00.00	kcompactd0
34	root	25	5	0	0	0	S	0.0	0.0	0:00.00	ksmd
35	root	39	19	0	0	0	S	0.0	0.0	0:00.01	khugepaged

PID: sta per identificatore processo, USER: è l'user che ha avviato il processo, COMMAND: è il nome dell'applicazione

Filtrato con grep

```

File Actions Edit View Help
top - 07:05:41 up 1:10, 1 user, load average: 0.24, 0.08, 0.03
   660 root      20  0 393104 118028 58412 S  4.4  5.8  0:19.73 Xorg
     1 root      20  0 184084 12136  8900 S  0.0  0.6  0:00.69 systemd
     2 root      20  0      0  0      0 S  0.0  0.0  0:00.00 kthreadd
     3 root      0 -20      0  0      0 I  0.0  0.0  0:00.00 rcu_gp
     4 root      0 -20      0  0      0 I  0.0  0.0  0:00.00 rcu_par_gp
     5 root      0 -20      0  0      0 I  0.0  0.0  0:00.00 slub_flushwq
     6 root      0 -20      0  0      0 I  0.0  0.0  0:00.00 netns
     8 root      0 -20      0  0      0 I  0.0  0.0  0:00.00 kworker/0:0H-events_highpri
    10 root      0 -20      0  0      0 I  0.0  0.0  0:00.00 mm_percpu_wq
    11 root      20  0      0  0      0 I  0.0  0.0  0:00.00 rcu_tasks_kthread
    12 root      20  0      0  0      0 I  0.0  0.0  0:00.00 rcu_tasks_rude_kthread
    13 root      20  0      0  0      0 I  0.0  0.0  0:00.00 rcu_tasks_trace_kthread
    14 root      20  0      0  0      0 S  0.0  0.0  0:00.06 ksoftirqd/0
    15 root      20  0      0  0      0 I  0.0  0.0  0:00.89 rcu_preempt
    16 root      rt  0      0  0      0 S  0.0  0.0  0:00.08 migration/0
    18 root      20  0      0  0      0 S  0.0  0.0  0:00.00 cpuhp/0
    19 root      20  0      0  0      0 S  0.0  0.0  0:00.00 cpuhp/1
    20 root      rt  0      0  0      0 S  0.0  0.0  0:00.14 migration/1
    21 root      20  0      0  0      0 S  0.0  0.0  0:00.08 ksoftirqd/1
    23 root      0 -20      0  0      0 I  0.0  0.0  0:00.00 kworker/1:0H-events_highpri
    26 root      20  0      0  0      0 S  0.0  0.0  0:00.01 kdevtmpfs
    27 root      0 -20      0  0      0 I  0.0  0.0  0:00.00 inet_frag_wq
    28 root      20  0      0  0      0 S  0.0  0.0  0:00.00 kaudited
    29 root      20  0      0  0      0 S  0.0  0.0  0:00.00 khungtaskd
    30 root      20  0      0  0      0 S  0.0  0.0  0:00.00 oom_reaper
    32 root      0 -20      0  0      0 I  0.0  0.0  0:00.00 writeback
    33 root      20  0      0  0      0 S  0.0  0.0  0:00.09 kcompactd0
    34 root      25  5      0  0      0 S  0.0  0.0  0:00.00 ksmd
    35 root      39 19      0  0      0 S  0.0  0.0  0:00.16 khugepaged
    36 root      0 -20      0  0      0 I  0.0  0.0  0:00.00 kintegrityd
    37 root      0 -20      0  0      0 I  0.0  0.0  0:00.00 kblockd
    38 root      0 -20      0  0      0 I  0.0  0.0  0:00.00 blkcg_punt_bio
    39 root      0 -20      0  0      0 I  0.0  0.0  0:00.00 tpm_dev_wq
    40 root      0 -20      0  0      0 I  0.0  0.0  0:00.00 edac-poller
    41 root      0 -20      0  0      0 I  0.0  0.0  0:00.00 devfreq_wq
    35 root      39 19      0  0      0 S  0.0  0.0  0:00.16 khugepaged
    36 root      0 -20      0  0      0 I  0.0  0.0  0:00.00 kintegrityd
    37 root      0 -20      0  0      0 I  0.0  0.0  0:00.00 kblockd
    38 root      0 -20      0  0      0 I  0.0  0.0  0:00.00 blkcg_punt_bio
    39 root      0 -20      0  0      0 I  0.0  0.0  0:00.00 tpm_dev_wq
    40 root      0 -20      0  0      0 I  0.0  0.0  0:00.00 edac-poller
    41 root      0 -20      0  0      0 I  0.0  0.0  0:00.00 devfreq_wq

```

Grep user Alessio (kali)

```

(alessio㉿kali)-[~]
$ top | grep alessio
  876 alessio  20  0 152916  2704  2228 S  0.7  0.1  0:10.56 VBoxClient
  976 alessio  20  0 203996 32556 19008 S  0.3  1.6  0:14.32 panel-13-cpugra
  977 alessio  20  0 340100 26528 17300 S  0.3  1.3  0:00.13 panel-14-systa
  978 alessio  20  0 358460 32836 21012 S  0.3  1.6  0:06.15 panel-15-genmon
  973 alessio  20  0 400388 48312 35324 S  3.3  2.4  0:00.85 panel-1-whisker
  926 alessio  20  0 931096 105796 76952 S  1.0  5.2  0:06.58 xfwm4
  976 alessio  20  0 203996 32556 19008 S  0.7  1.6  0:14.34 panel-13-cpugra
  904 alessio  20  0  9216  4660  4128 S  0.3  0.2  0:00.04 dbus-daemon
  961 alessio  20  0 466832 46636 34824 S  0.3  2.3  0:00.58 xfce4-panel
  979 alessio  20  0 592120 45500 34400 S  0.3  2.2  0:01.61 panel-16-pulsea
  973 alessio  20  0 400388 48312 35324 S  1.3  2.4  0:00.89 panel-1-whisker
  926 alessio  20  0 931096 105796 76952 S  0.7  5.2  0:06.60 xfwm4
 18508 alessio 20  0 465316 103628 85048 S  0.7  5.1  0:00.12 qterminal

```

Creazione cartella e File

```
(alessio㉿kali)-[~]
└─$ ls
Desktop Documents Downloads Music Pictures Public Templates Videos

(alessio㉿kali)-[~]
└─$ cd Desktop

(alessio㉿kali)-[~/Desktop]
└─$ ls
Epicode_Lab

(alessio㉿kali)-[~/Desktop]
└─$ cd Epicode_Lab

(alessio㉿kali)-[~/Desktop/Eicode_Lab]
└─$ nano file.txt

(alessio㉿kali)-[~/Desktop/Eicode_Lab]
└─$ ls
file.txt

(alessio㉿kali)-[~/Desktop/Eicode_Lab]
└─$ cat file.txt
New text

(alessio㉿kali)-[~/Desktop/Eicode_Lab]
└─$ ls -l
total 4
-rw-r--r-- 1 alessio alessio 9 Jan 31 07:11 file.txt

(alessio㉿kali)-[~/Desktop/Eicode_Lab]
└─$ █
```

```
(alessio㉿kali)-[~/Desktop/Eicode_Lab]
└─$ chmod u+x file.txt

(alessio㉿kali)-[~/Desktop/Eicode_Lab]
└─$ chmod g+w file.txt

(alessio㉿kali)-[~/Desktop/Eicode_Lab]
└─$ ls -l
total 4
-rwxrw-r-- 1 alessio alessio 9 Jan 31 07:11 file.txt
```

Move file

```
(alessio㉿kali)-[~/Desktop/Epicode_Lab]
└─$ mv file.txt /
mv: cannot move 'file.txt' to '/file.txt': Permission denied

(alessio㉿kali)-[~/Desktop/Epicode_Lab]
└─$ sudo mv file.txt /
[sudo] password for alessio:

(alessio㉿kali)-[~/Desktop/Epicode_Lab]
└─$ ls
```

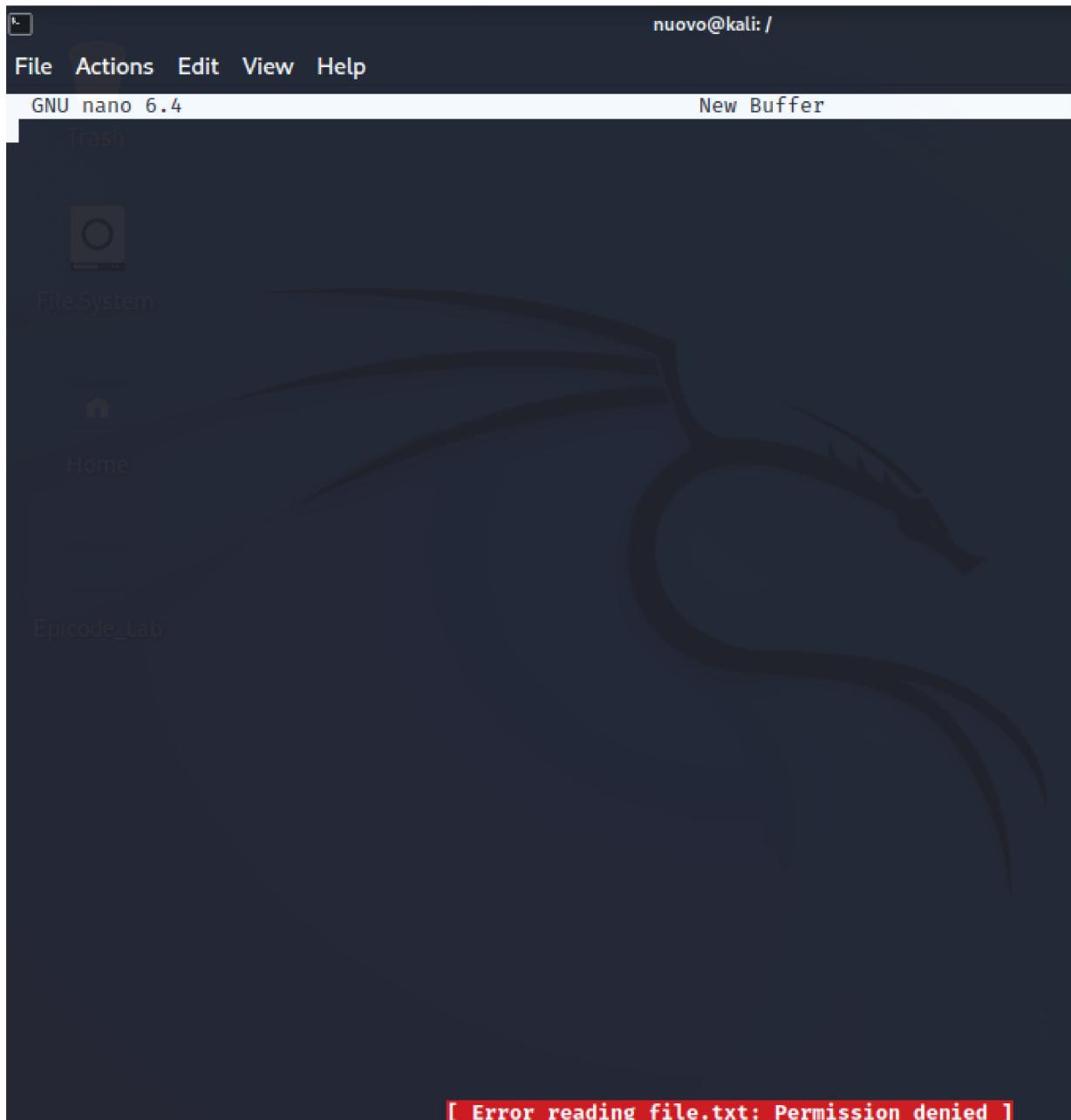
```
(alessio㉿kali)-[/]
└─$ sudo adduser nuovo
Adding user `nuovo' ...
Adding new group `nuovo' (1001) ...
Adding new user `nuovo' (1001) with group `nuovo (1001)' ...
Creating home directory `/home/nuovo' ...
Copying files from `/etc/skel' ...
New password:          1074  6.8 MiB  0%
Retype new password:  913   7.8 MiB  0%
No password has been supplied.
New password:          898   9.5 MiB  0%
Retype new password:  1115  53.3 MiB  0%
passwd: password updated successfully
Changing the user information for nuovo
Enter the new value, or press ENTER for the default
      Full Name []: -add...  793   5.2 MiB  0%
      Room Number []:  1114   4.1 MiB  0%
      Work Phone []:
      Home Phone []:  786   11.4 MiB  0%
      Other []:
Is the information correct? [Y/n] y
Adding new user `nuovo' to supplemental / extra groups `users' ...
Adding user `nuovo' to group `users' ...

(alessio㉿kali)-[/] gvfsd-metadata  934  8.0 MiB  0%
└─$ chmod o-r file.txt
gvfsd-metadata  1221  6.7 MiB  0%
(alessio㉿kali)-[/] 15/o...  1202  9.9 MiB  0%
└─$ su nuovo
Password: volume-monitor  1157  8.2 MiB  0%
(aNuevo㉿kali)-[/] volume-monitor  1148  8.6 MiB  0%
└─$ ls
0 gvfs boot etcie-monitor home 11 initrd.img.old lib32 libx32 media
bin dev file.txt initrd.img lib lib64 lost+found mnt
gvfs-disk2-volume-monitor 1028 13.1 MiB  0%
(aNuevo㉿kali)-[/]挂着任务 └ Terminating task
└─$ nano file.txt

(aNuevo㉿kali)-[/]
└─$ nano file.txt

(aNuevo㉿kali)-[/]
└─$
```

Permesso di lettura negato



Riconcedo i permessi di lettura

```
gvisd-1ds@nuovo:~$ ls -l /root/file.txt
-rw-r--r-- 1 root root 0 Jan  1  1970 /root/file.txt
gvisd-1ds@nuovo:~$ chmod o+r file.txt
chmod: changing permissions of 'file.txt': Operation not permitted
gvisd-1ds@nuovo:~$ su alessio
Password:
(alessio@kali)-[~]$
gvisd-1ds@nuovo:~$ chmod o+r file.txt
chmod: changing permissions of 'file.txt': Operation not permitted
gvisd-1ds@nuovo:~$ su nuovo
Password:
(nuovo@kali)-[~]$ nano file.txt
```

Nano da nuovo

The terminal window shows the nano 6.4 editor with a new file named "file.txt". The file is empty. Below the editor is a tasklist table with columns: Task, PID, RSS, CPU. The table lists various system processes. At the bottom of the terminal, there is a red banner: [File 'file.txt' is unwritable]. Below the banner are several keyboard shortcuts: ^G Help, ^O Write Out, ^W Where Is, ^K Cut, and ^T Execute.

Task	PID	RSS	CPU
agent	1074	6.8 MiB	0%
at-spi2-registryd --use-gnom...	913	7.8 MiB	0%
at-spi-bus-launcher	898	9.5 MiB	0%
blueman-applet	1134	53.3 MIB	0%
dbus-daemon --config-file=/u...	904	4.6 MiB	0%
dbus-daemon --session --add...	793	5.2 MiB	0%
dconf-service	1114	4.1 MiB	0%
gnome-keyring-daemon --for...	786	11.4 MiB	0%
gpg-agent --supervised	924	5.4 MiB	0%
gvfs-afc-volume-monitor	1164	9.9 MiB	0%
gvfsd	929	9.7 MiB	0%
gvfsd-fuse /run/user/1000/gvf...	934	8.0 MiB	0%
gvfsd-metadata	1221	6.7 MiB	0%
gvfsd-trash --spawner :1.15 /o...	1202	9.9 MiB	0%
gvfs-goa-volume-monitor	1157	8.2 MiB	0%
gvfs-gphoto2-volume-monitor	1148	8.6 MiB	0%
gvfs-mtp-volume-monitor	1133	8.2 MiB	0%
gvfs-udisks2-volume-monitor	1028	13.1 MiB	0%

[File 'file.txt' is unwritable]
^G Help ^O Write Out ^W Where Is ^K Cut ^T Execute

Rimozione file e directory

The terminal window shows several attempts to remove the file "file.txt". The first attempt using "rm" fails with a "Permission denied" error. The second attempt using "sudo rm" succeeds. Finally, an "ls" command is run to show the directory contents.

```
(alessio㉿kali)-[~/]  
$ rm file.txt  
rm: cannot remove 'file.txt': Permission denied  
$ sudo rm file.txt  
$ ls
```

Eliminazione directory e problemi eliminazione nuovo user

```
(alessio㉿kali)-[~]
$ rm -d home/alessio/Desktop/Epicode_Lab

(alessio㉿kali)-[~]
$ sudo userdel nuovo
userdel: user nuovo is currently used by process 25638

(alessio㉿kali)-[~]
$ sudo userdel nuovo
userdel: user nuovo is currently used by process 25638

(alessio㉿kali)-[~]
$ top | grep 25638

(alessio㉿kali)-[~]
$ sudo top | grep 25638
zsh: suspended (signal)  sudo top | grep --color=auto 25638

(alessio㉿kali)-[~]
$ sudo userdel nuovo
userdel: user nuovo is currently used by process 25638

(alessio㉿kali)-[~]
$ top
top - 07:43:45 up  1:48,  2 users,  load average: 0.03,  0.07,  0.04
Tasks: 161 total,   1 running, 157 sleeping,   3 stopped,   0 zombie
%Cpu(s):  2.4 us,  1.4 sy,  0.0 ni, 96.0 id,  0.0 wa,  0.0 hi,  0.2 si,
MiB Mem : 1981.2 total,    878.8 free,    592.3 used,    510.1 buff/cac
MiB Swap:  975.0 total,    975.0 free,      0.0 used.  1229.2 avail Me

      PID USER      PR  NI    VIRT    RES    SHR S %CPU %MEM     TIME+ CO
        660 root      20   0 393960 118868  58460 S  5.0  5.9  0:44.20 Xo
  18508 alessio    20   0 465904 104156  85232 S  1.0  5.1  0:04.05 qt
    976 alessio    20   0 203996  32556 19008 S  0.7  1.6  0:24.91 pa
    926 alessio    20   0 931096 105796  76952 S  0.3  5.2  0:11.72 xf
    978 alessio    20   0 358460  32836 21012 S  0.3  1.6  0:10.10 pa
  19359 root      20   0      0      0      0 I  0.3  0.0  0:01.90 kw
      1 root      20   0 184084 12136  8900 S  0.0  0.6  0:00.72 sy
```

Risolto con un reboot

```
(alessio㉿kali)-[~]
$ sudo userdel nuovo
[sudo] password for alessio:

(alessio㉿kali)-[~]
$ users
alessio

(alessio㉿kali)-[~]
$
```