

Comando TOP

```
File Macchina Visualizza Inserimento Dispositivi Aiuto
1 2 3 4 5
kali@kali: ~
File Actions Edit View Help
top - 07:40:52 up 5 min, 1 user, load average: 0.47, 0.93, 0.54
Tasks: 160 total, 1 running, 159 sleeping, 0 stopped, 0 zombie
%Cpu(s): 1.3 us, 1.9 sy, 0.0 ni, 96.4 id, 0.0 wa, 0.0 hi, 0.4 si, 0.0 st
MiB Mem : 1966.8 total, 996.9 free, 703.3 used, 416.1 buff/cache
MiB Swap: 1024.0 total, 1024.0 free, 0.0 used. 1263.6 avail Mem

  PID USER      PR  NI   VIRT   RES   SHR  S  %CPU  %MEM    TIME+  COMMAND
 744 root        20   0  779336 105136 56936 S  12.3   5.2   0:17.69 Xorg
1351 kali        20   0  447844 104704 85596 S  10.6   5.2   0:10.80 qterminal
1143 kali        20   0  280660 25392 18944 S   0.7   1.3   0:01.99 panel-13-cpugra
 603 root        20   0  292980 3332 2944 S   0.3   0.2   0:00.46 VBoxService
1069 kali        20   0 1166216 102184 77340 S   0.3   5.1   0:05.15 xfwm4
1469 kali        20   0  386272 9772 6912 S   0.3   0.5   0:00.25 gvfs-afc-volume
2623 kali        20   0  11748 5504 3328 R   0.3   0.3   0:02.57 top
    1 root        20   0   20816 12368 9296 S   0.0   0.6   0:07.29 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
```

FILTRO DI ROOT

```
File Actions Edit View Help
kali@kali: ~
top - 07:50:45 up 15 min, 1 user, load average: 0.33, 0.29, 0.36
Tasks: 159 total, 1 running, 158 sleeping, 0 stopped, 0 zombie
%Cpu(s): 1.7 us, 1.2 sy, 0.0 ni, 96.7 id, 0.0 wa, 0.0 hi, 0.4 si, 0.0 st
MiB Mem : 1966.8 total, 1003.1 free, 696.4 used, 416.7 buff/cache
MiB Swap: 1024.0 total, 1024.0 free, 0.0 used. 1270.4 avail Mem

  PID USER      PR  NI   VIRT   RES   SHR  S  %CPU  %MEM    TIME+  COMMAND
 317 root        20   0  49836 16152 14976 S   0.3   0.8   0:01.64 systemd-journal
 603 root        20   0  292980 3332 2944 S   0.3   0.2   0:01.35 VBoxService
    1 root        20   0   20816 12368 9296 S   0.0   0.6   0:07.30 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   0:00.24 ksoftirqd/0
   15 root        20   0      0 0 0 I   0.0   0.0   0:01.16 rcu_preempt
   16 root        rt   0      0 0 0 S   0.0   0.0   0:00.25 migration/0
   17 root       -51   0      0 0 0 S   0.0   0.0   0:00.00 idle_inject/0
   18 root        20   0      0 0 0 I   0.0   0.0   0:02.95 kworker/0:1-ata_sff
   19 root        20   0      0 0 0 S   0.0   0.0   0:00.00 cpuhp/0
   20 root        20   0      0 0 0 S   0.0   0.0   0:00.00 cpuhp/1
```

FILTRO DI KALI

```
File Actions Edit View Help
kali@kali: ~
top - 07:51:26 up 16 min, 1 user, load average: 0.24, 0.27, 0.35
Tasks: 158 total, 1 running, 157 sleeping, 0 stopped, 0 zombie
%Cpu(s): 1.2 us, 1.1 sy, 0.0 ni, 96.1 id, 1.1 wa, 0.0 hi, 0.4 si, 0.0 st
MiB Mem : 1966.8 total, 1003.2 free, 696.2 used, 416.9 buff/cache
MiB Swap: 1024.0 total, 1024.0 free, 0.0 used. 1270.6 avail Mem

  PID USER      PR  NI   VIRT   RES   SHR  S  %CPU  %MEM    TIME+  COMMAND
1351 kali        20   0  447844 104832 85596 S   1.0   5.2   0:16.24 qterminal
1005 kali        20   0  217968 2944 2560 S   0.3   0.1   0:05.79 VBoxClient
1122 kali        20   0  483664 58280 36336 S   0.3   2.9   0:05.53 xfdesktop
1143 kali        20   0  280660 32304 18944 S   0.3   1.6   0:04.89 panel-13-cpugra
1145 kali        20   0  423676 30180 20800 S   0.3   1.5   0:09.30 panel-15-genmon
 885 kali        20   0  19640 11264 9344 S   0.0   0.6   0:01.52 systemd
 886 kali        20   0  21992 5176 1792 S   0.0   0.3   0:00.00 (sd-pam)
 903 kali        9 -11 118264 13952 10112 S   0.0   0.7   0:00.31 pipewire
 904 kali        20   0  94344 5760 4992 S   0.0   0.3   0:00.00 pipewire
 905 kali        9 -11 558648 36132 25984 S   0.0   1.8   0:02.47 wireplumber
 906 kali        9 -11 100836 9088 7680 S   0.0   0.5   0:00.09 pipewire-pulse
 907 kali        20   0  9820 5376 4224 S   0.0   0.3   0:01.44 dbus-daemon
 910 kali        20   0  314176 11980 9088 S   0.0   0.6   0:00.11 gnome-keyring-d
 924 kali        20   0  340752 28376 16896 S   0.0   1.4   0:01.75 xfce4-session
 981 kali        20   0  19164 1536 1280 S   0.0   0.1   0:00.00 VBoxClient
 983 kali        20   0  217352 3840 3328 S   0.0   0.2   0:00.01 VBoxClient
 994 kali        20   0  19164 1664 1408 S   0.0   0.1   0:00.00 VBoxClient
 997 kali        20   0  217452 3072 2688 S   0.0   0.2   0:01.95 VBoxClient
```

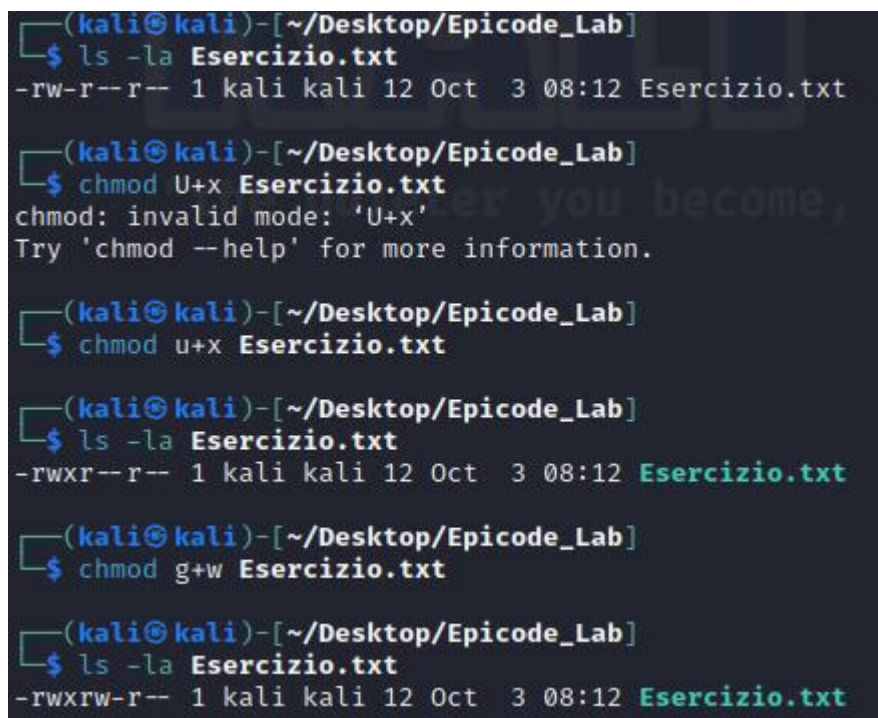
CREAZIONE DI UN DIRECTORY, EPICODE_LAB E CREARE UN DOCUMENTO CHIAMATO ESERCIZIO.TXT



LETTURA DEL FILE



CAMBIO PERMESSI DEL FILE



SPOSTAMENTO DEL FILE SULLA CARTELLA ROOT

```
(kali㉿kali)-[~/Desktop/Epicode_Lab]
$ sudo mv Esercizio.txt /
[sudo] password for kali:

(kali㉿kali)-[~/Desktop/Epicode_Lab]
$ ls -l
total 0

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

(kali㉿kali)-[/]
$ ls -l
total 1048652
lrwxrwxrwx 1 root root 7 Aug 21 14:50 bin → usr/bin
drwxr-xr-x 3 root root 4096 Aug 21 16:02 boot
drwxr-xr-x 17 root root 3360 Oct 3 08:33 dev
-rwxr--r-- 1 kali kali 12 Oct 3 08:12 Esercizio.txt
drwxr-xr-x 180 root root 12288 Oct 3 08:30 etc
drwxr-xr-x 4 root root 4096 Oct 3 08:25 home
lrwxrwxrwx 1 root root 33 Aug 21 16:02 initrd.img → boot/initrd.img-6.3.0-kali1-amd64
lrwxrwxrwx 1 root root 33 Aug 21 16:02 initrd.img.old → boot/initrd.img-6.3.0-kali1-amd64
lrwxrwxrwx 1 root root 7 Aug 21 14:50 lib → usr/lib
lrwxrwxrwx 1 root root 9 Aug 21 14:50 lib32 → usr/lib32
lrwxrwxrwx 1 root root 9 Aug 21 14:50 lib64 → usr/lib64
lrwxrwxrwx 1 root root 10 Aug 21 14:50 libx32 → usr/libx32
drwx----- 2 root root 16384 Aug 21 16:01 lost+found
drwxr-xr-x 2 root root 4096 Aug 21 14:51 media
drwxr-xr-x 2 root root 4096 Aug 21 14:51 mnt
drwxr-xr-x 3 root root 4096 Aug 21 14:56 opt
```

CAMBIO UNA SECONDA VOLTA I PERMESSI DEL FILE NEGANDO LA LETTURA A TUTTI TRANNE PER L'ADMIN

```
(kali㉿kali)-[/]
$ chmod g-r Esercizio.txt

(kali㉿kali)-[/]
$ chmod o-r Esercizio.txt

(kali㉿kali)-[/]
$ ls -la Esercizio.txt
-rwx--w-- 1 kali kali 12 Oct 3 08:12 Esercizio.txt
```

DOPO LA CREAZIONE DI UN NUOVO UTENTE DI NOME "MATTEO" (CHE NON HA PRIVILEGI DA ADMIN), LOGGO E VISUALIZZO IL FILE

```
(matteo㉿kali)-[/]
$ cat Esercizio.txt
cat: Esercizio.txt: Permission denied
```

PERMESSI NEGATI

RI RI MODIFICO I PERMESSI E PERMETTO LA LETTURA

```
(matteo㉿kali)-[/]
$ cat Esercizio.txt
Salve Mondo
```

PERMESSI ACCETTATI