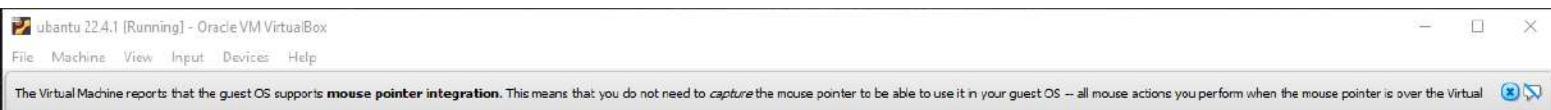


ubuntu 22.4.1 [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

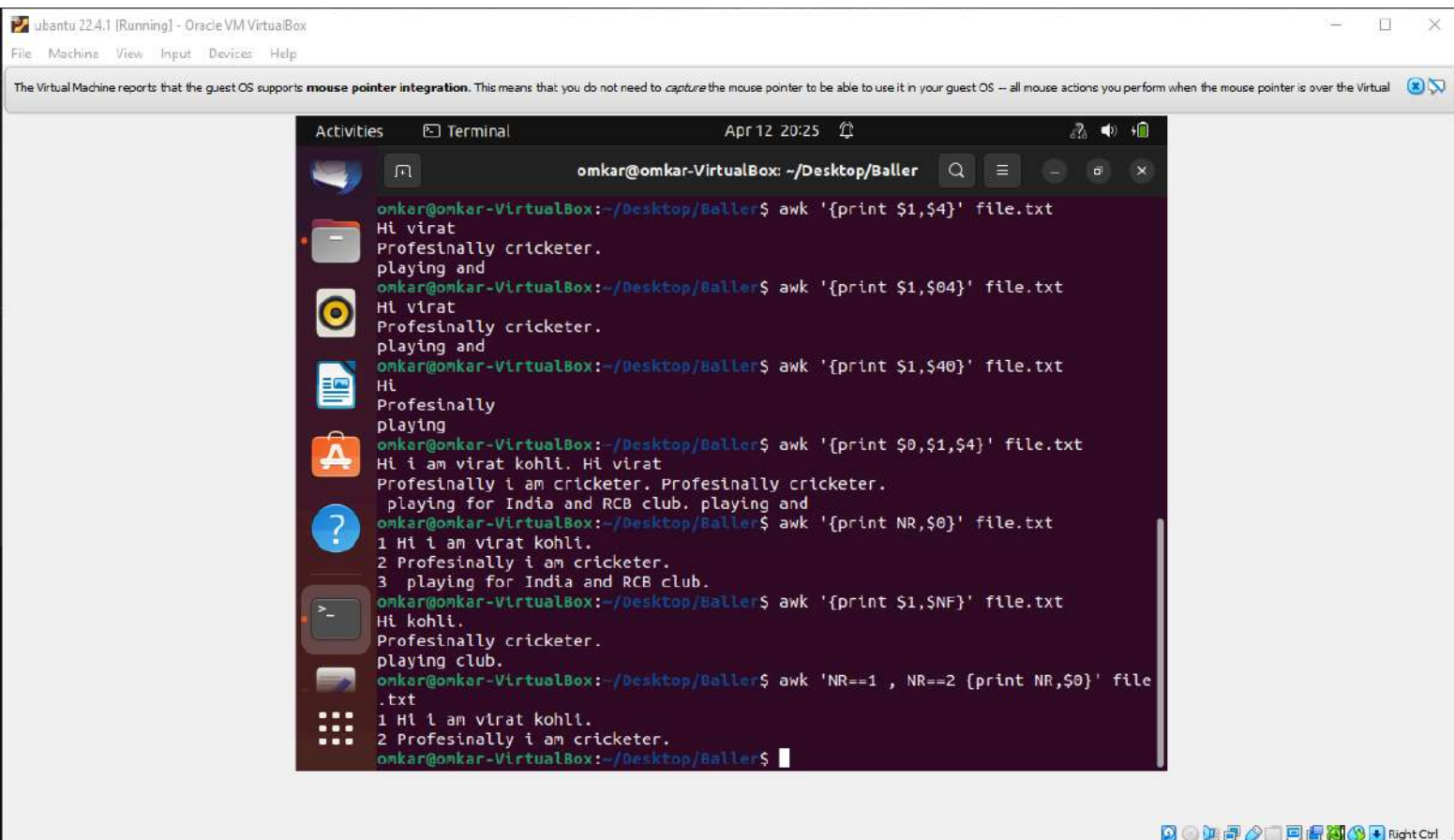
The Virtual Machine reports that the guest OS supports **mouse pointer integration**. This means that you do not need to *capture* the mouse pointer to be able to use it in your guest OS -- all mouse actions you perform when the mouse pointer is over the Virtual

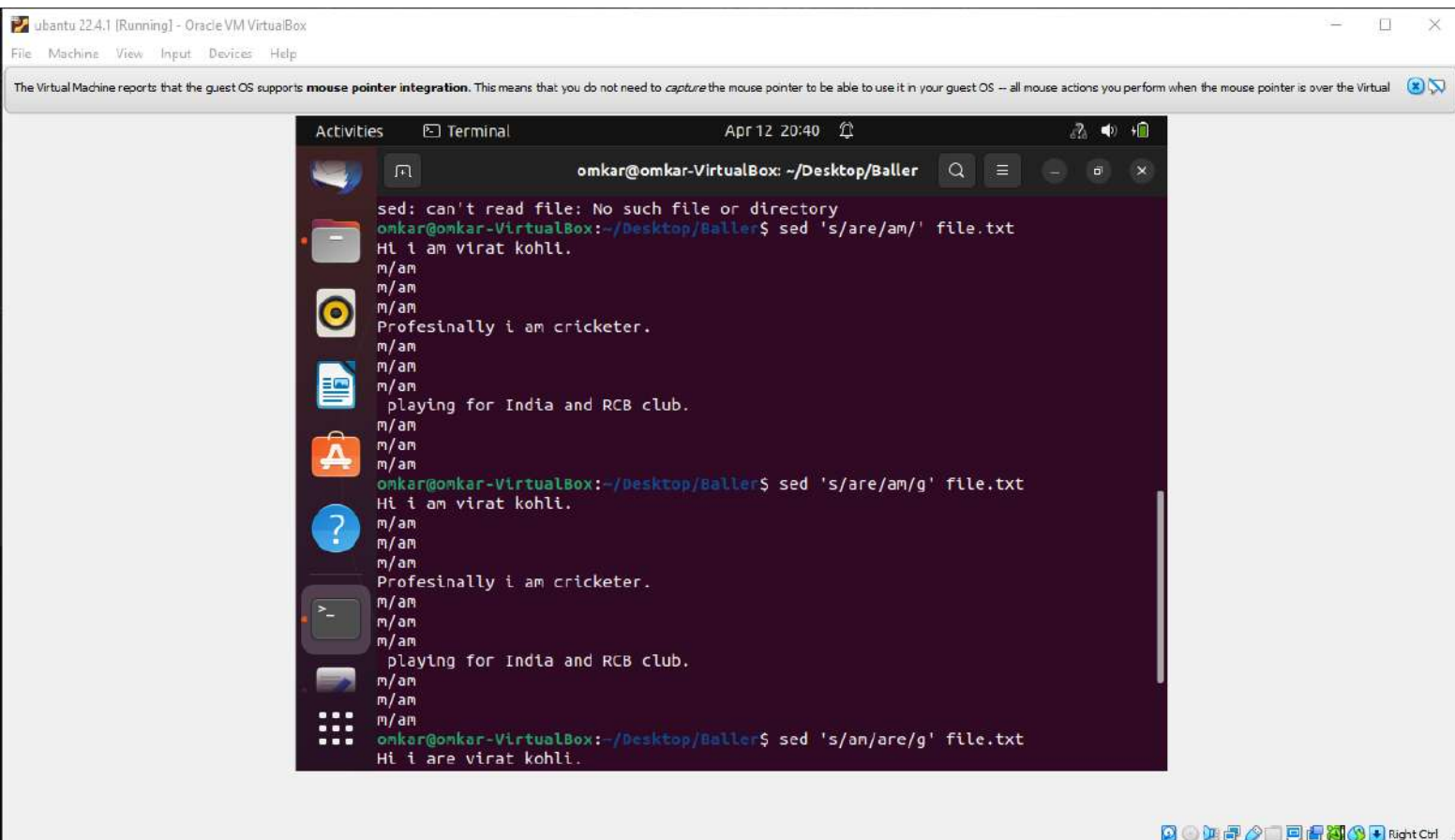
```
Activities Terminal Apr 12 19:19 omkar@omkar-VirtualBox: ~  
hello  
omkar@omkar-VirtualBox:~$ echo -e hello  
hello  
omkar@omkar-VirtualBox:~$ echo hello \bworld  
hello bworld  
omkar@omkar-VirtualBox:~$ echo hello \nworld  
hello nworld  
omkar@omkar-VirtualBox:~$ echo -e hello \nworld  
hello nworld  
omkar@omkar-VirtualBox:~$ echo -e 'hello \nworld'  
hello  
world  
omkar@omkar-VirtualBox:~$ echo -e 'hello '\nworld'  
> ^C  
omkar@omkar-VirtualBox:~$ echo -e hello '\nworld'  
hello  
world  
omkar@omkar-VirtualBox:~$ echo -e 'hello'\nworld  
hellonworld  
omkar@omkar-VirtualBox:~$ echo hello '\nworld'  
hello \nworld  
omkar@omkar-VirtualBox:~$ echo -e hello '\bworld'  
hellloworld  
omkar@omkar-VirtualBox:~$ echo -e hello '\tworld'  
hello world  
omkar@omkar-VirtualBox:~$ echo -e hello '\vworld'  
hello  
world  
omkar@omkar-VirtualBox:~$
```



```
Activities Terminal Apr 12 20:04 omkar@omkar-VirtualBox: ~/Desktop/Baller

Profesinally i am cricketer.
playing for India and RCB club.
omkar@omkar-VirtualBox:~/Desktop/Baller$ awk '{print}' file.txt
Hi i am virat kohli.
Profesinally i am cricketer.
playing for India and RCB club.
omkar@omkar-VirtualBox:~/Desktop/Baller$ awk '/virat/{print}' file.txt
Hi i am virat kohli.
omkar@omkar-VirtualBox:~/Desktop/Baller$ awk 'am{print}' file.txt
omkar@omkar-VirtualBox:~/Desktop/Baller$ awk 'am {print}' file.txt
omkar@omkar-VirtualBox:~/Desktop/Baller$ awk '/am/{print}' file.txt
Hi i am virat kohli.
Profesinally i am cricketer.
omkar@omkar-VirtualBox:~/Desktop/Baller$ awk '/am{print}' file.txt
awk: line 1: runaway regular expression /am{print} ...
omkar@omkar-VirtualBox:~/Desktop/Baller$ awk '/am/{print}' file.txt
Hi i am virat kohli.
Profesinally i am cricketer.
omkar@omkar-VirtualBox:~/Desktop/Baller$ awk '{print $1,$2}' file.txt
awk: 1: unexpected character '.'
omkar@omkar-VirtualBox:~/Desktop/Baller$ awk '{print $1,$2}' file.txt
Hi i
Profesinally i
playing for
omkar@omkar-VirtualBox:~/Desktop/Baller$ awk '{print $1,$4}' file.txt
Hi virat
Profesinally cricketer.
playing and
omkar@omkar-VirtualBox:~/Desktop/Baller$ awk '{print $1,$04}' file.txt
```





```
Activities Terminal Apr 13 11:37 omkar@omkar-VirtualBox: ~/Desktop/Batsman

omkar@omkar-VirtualBox:~/Desktop/Batsman$ awk '/^B/' file.txt
Banglore
omkar@omkar-VirtualBox:~/Desktop/Batsman$ awk '/e$/ ' file.txt
Banglore
omkar@omkar-VirtualBox:~/Desktop/Batsman$ ls -ltr
total 8
drwxrwxr-x 2 omkar omkar 4096 Apr 12 19:33 left
-rw-rw-r-- 1 omkar omkar 18 Apr 12 19:43 file.txt
omkar@omkar-VirtualBox:~/Desktop/Batsman$ chond a-rwx file.txt
Command 'chond' not found, did you mean:
  command 'chmod' from deb coreutils (8.32-4.1ubuntu1)
Try: sudo apt install <deb name>
omkar@omkar-VirtualBox:~/Desktop/Batsman$ chmod a-rwx file.txt
omkar@omkar-VirtualBox:~/Desktop/Batsman$ ls -ltr
total 8
drwxrwxr-x 2 omkar omkar 4096 Apr 12 19:33 left
----- 1 omkar omkar 18 Apr 12 19:43 file.txt
omkar@omkar-VirtualBox:~/Desktop/Batsman$ chmod u+r file.txt
omkar@omkar-VirtualBox:~/Desktop/Batsman$ chmod u+w g+r file.txt
chmod: cannot access 'g+r': No such file or directory
omkar@omkar-VirtualBox:~/Desktop/Batsman$ chmod u+w,g+r file.txt
omkar@omkar-VirtualBox:~/Desktop/Batsman$ ls -ltr
total 8
drwxrwxr-x 2 omkar omkar 4096 Apr 12 19:33 left
-rw-r----- 1 omkar omkar 18 Apr 12 19:43 file.txt
omkar@omkar-VirtualBox:~/Desktop/Batsman$ chmod o+777 file.txt
chmod: invalid mode: 'o+777'
Try 'chmod --help' for more information.
omkar@omkar-VirtualBox:~/Desktop/Batsman$ chmod 777 file.txt
```

```
Activities Terminal Apr 13 12:01
root@onkar-VirtualBox: /home/onkar
root@onkar-VirtualBox: /home/onkar x omkar@onkar-VirtualBox: ~/Desktop/... x
root@onkar-VirtualBox: /# chown virat /home/onkar
root@onkar-VirtualBox: /# ls
bin dev lib libx32 mnt root snap sys var
boot etc lib32 lost+found opt run srv tmp
cdrom home lib64 media proc sbin swapfile usr
root@onkar-VirtualBox: /# cd home
root@onkar-VirtualBox: /home# ls
onkar
root@onkar-VirtualBox: /home# cd onkar
root@onkar-VirtualBox: /home/onkar# sudo virat
sudo: virat: command not found
root@onkar-VirtualBox: /home/onkar# su virat
$ ls
Desktop Downloads Pictures run Templates
Documents Music Public snap Videos
$ cd Desktop
$ ls
AllRounder Baller Batsman
$ cd Baller
$ ls
All Bat.txt
$ cat Bat.txt
welcome
$ cat Bat.txt
welcome
$ cat Bat.txt
cat: Bat.txt: Permission denied
```



```
Activities Terminal Apr 13 12:02
omkar@omkar-VirtualBox: ~/Desktop/Baller
root@omkar-VirtualBox: /home/omkar x omkar@omkar-VirtualBox: ~/Desktop/... x
omkar@omkar-VirtualBox: /home$ cd omkar
omkar@omkar-VirtualBox: $ ls
Desktop Downloads Pictures run Templates
Documents Music Public snap Videos
omkar@omkar-VirtualBox: $ cd Desktop
omkar@omkar-VirtualBox: ~/Desktop$ ls
AllRounder Baller Batsman
omkar@omkar-VirtualBox: ~/Desktop$ ls
AllRounder Baller Batsman
omkar@omkar-VirtualBox: ~/Desktop$ cd baller
bash: cd: baller: No such file or directory
omkar@omkar-VirtualBox: ~/Desktop$ cd Baller
omkar@omkar-VirtualBox: ~/Desktop/Baller$ ls
Al All Bat.txt
omkar@omkar-VirtualBox: ~/Desktop/Baller$ cat Bat.txt
welcome
omkar@omkar-VirtualBox: ~/Desktop/Baller$ chmod u+w Bat.txt
omkar@omkar-VirtualBox: ~/Desktop/Baller$ ls -ltr
total 12
drwxrwxr-x 2 omkar omkar 4096 Apr 12 19:30 Al
drwxrwxr-x 2 omkar omkar 4096 Apr 13 10:03 All
-rwxrw-r-- 1 omkar omkar 8 Apr 13 10:05 Bat.txt
omkar@omkar-VirtualBox: ~/Desktop/Baller$ chmod -777 Bat.txt
omkar@omkar-VirtualBox: ~/Desktop/Baller$ cat Bat.txt
cat: Bat.txt: Permission denied
omkar@omkar-VirtualBox: ~/Desktop/Baller$
```

```
Activities Terminal Apr 13 12:40 omkar@omkar-VirtualBox: ~/Desktop
root@omkar-VirtualBox: /home/omkar omkar@omkar-VirtualBox: ~/Desktop
./Baller/All/file.txt
./Batsman/file.txt
omkar@omkar-VirtualBox:~/Desktop$ ls -lh
total 12K
drwxrwxr-x 3 omkar omkar 4.0K Apr 12 19:28 AllRounder
drwxrwxr-x 4 omkar omkar 4.0K Apr 13 10:05 Baller
drwxrwxr-x 3 omkar omkar 4.0K Apr 13 10:00 Batsman
omkar@omkar-VirtualBox:~/Desktop$ ls -ltr
total 12
drwxrwxr-x 3 omkar omkar 4096 Apr 12 19:28 AllRounder
drwxrwxr-x 3 omkar omkar 4096 Apr 13 10:00 Batsman
drwxrwxr-x 4 omkar omkar 4096 Apr 13 10:05 Baller
omkar@omkar-VirtualBox:~/Desktop$ find -size 4k
.
./Baller
./Baller/All
./Baller/Al
./Batsman
./Batsman/left
./AllRounder
./AllRounder/Baller
omkar@omkar-VirtualBox:~/Desktop$ find -type f
./Baller/All/file.txt
./Baller/Bat.txt
./Batsman/file.txt
./Batsman/left/left.txt
omkar@omkar-VirtualBox:~/Desktop$ find -type d
```



```
Activities Terminal Apr 13 12:59 omkar@omkar-VirtualBox: ~/Desktop/Batsman

root@omkar-VirtualBox: /home/omkar x omkar@omkar-VirtualBox: ~/Desktop/... x

omkar@omkar-VirtualBox: ~/Desktop/Batsman$ find -iname File.txt
./file.txt
omkar@omkar-VirtualBox: ~/Desktop/Batsman$ find -user virat
omkar@omkar-VirtualBox: ~/Desktop/Batsman$ find -user omkar
.
./file.txt
./file1.txt
./left
./left/left.txt
omkar@omkar-VirtualBox: ~/Desktop/Batsman$ cmp file.txt file1.txt
file.txt file1.txt differ: byte 20, line 3
omkar@omkar-VirtualBox: ~/Desktop/Batsman$ cmm file.txt file1.txt
Command 'cmm' not found, did you mean:
  command 'cmk' from snap cloudmonkey (6.1.0+git1.2d9fd04)
  command 'cmp' from deb diffutils (1:3.8-0ubuntu2)
  command 'comm' from deb coreutils (8.32-4.1ubuntu1)
  command 'crm' from deb crmsh (4.3.1-1ubuntu3)
See 'snap info <snapname>' for additional versions.
omkar@omkar-VirtualBox: ~/Desktop/Batsman$ comm file.txt file1.txt
Bangalore
Infobell

I
comm: file 1 is not in sorted order
IT
comm: input is not in sorted order
omkar@omkar-VirtualBox: ~/Desktop/Batsman$ comm -12 file.txt file1.txt
Bangalore
```

```
Activities Terminal Apr 13 13:06 omkar@omkar-VirtualBox: ~/Desktop/Batsman  
root@omkar-VirtualBox: /home/omkar omkar@omkar-VirtualBox: ~/Desktop/...  
omkar@omkar-VirtualBox: ~/Desktop/Batsman$ sort file.txt  
1  
2  
5  
62  
7  
8  
9  
omkar@omkar-VirtualBox: ~/Desktop/Batsman$ sort -n file.txt  
1  
2  
5  
7  
8  
9  
62  
omkar@omkar-VirtualBox: ~/Desktop/Batsman$ sort -k 2 file.txt  
1  
2  
5  
62  
7  
8  
9  
omkar@omkar-VirtualBox: ~/Desktop/Batsman$ ps  
PID TTY TIME CMD  
2540 pts/3 00:00:00 bash
```

```
Activities Terminal Apr 13 13:06 omkar@omkar-VirtualBox: ~/Desktop/Batsman  
root@omkar-VirtualBox: /home/omkar omkar@omkar-VirtualBox: ~/Desktop/...  
3048 pts/3 00:00:00 ps  
omkar@omkar-VirtualBox: ~/Desktop/Batsman$ top  
top - 13:05:59 up 1:39, 3 users, load average: 0.06, 0.09, 0.08  
Tasks: 209 total, 1 running, 208 sleeping, 0 stopped, 0 zombie  
%Cpu(s): 0.3 us, 0.3 sy, 0.0 ni, 99.1 id, 0.1 wa, 0.0 hi, 0.3 si, 0.0 st  
MiB Mem : 3353.0 total, 1364.4 free, 780.5 used, 1208.1 buff/cache  
MiB Swap: 1010.0 total, 1010.0 free, 0.0 used, 2357.2 avail Mem  


| PID  | USER     | PR  | NI  | VIRT    | RES    | SHR    | S | %CPU | %MEM | TIME+   | COMMAND  |
|------|----------|-----|-----|---------|--------|--------|---|------|------|---------|----------|
| 1069 | omkar    | 20  | 0   | 5016364 | 420152 | 123340 | S | 2.7  | 12.2 | 5:11.15 | gnome-+  |
| 2357 | omkar    | 20  | 0   | 504320  | 53036  | 40312  | S | 1.3  | 1.5  | 0:22.92 | gnome-+  |
| 610  | systemd+ | 20  | 0   | 14824   | 6116   | 5320   | S | 0.3  | 0.2  | 0:12.88 | systemd+ |
| 1    | root     | 20  | 0   | 166544  | 11588  | 8124   | S | 0.0  | 0.3  | 0:02.70 | systemd  |
| 2    | root     | 20  | 0   | 0       | 0      | 0      | S | 0.0  | 0.0  | 0:00.07 | kthrea+  |
| 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_pa   |
| 5    | root     | 0   | -20 | 0       | 0      | 0      | I | 0.0  | 0.0  | 0:00.00 | netns    |
| 7    | root     | 0   | -20 | 0       | 0      | 0      | I | 0.0  | 0.0  | 0:00.00 | kworke+  |
| 9    | root     | 0   | -20 | 0       | 0      | 0      | I | 0.0  | 0.0  | 0:00.00 | mm_per+  |
| 10   | root     | 20  | 0   | 0       | 0      | 0      | S | 0.0  | 0.0  | 0:00.00 | rcu_ta   |
| 11   | root     | 20  | 0   | 0       | 0      | 0      | S | 0.0  | 0.0  | 0:00.00 | rcu_ta   |
| 12   | root     | 20  | 0   | 0       | 0      | 0      | S | 0.0  | 0.0  | 0:00.43 | ksoftt+  |
| 13   | root     | 20  | 0   | 0       | 0      | 0      | I | 0.0  | 0.0  | 0:07.21 | rcu_sc+  |
| 14   | root     | rt  | 0   | 0       | 0      | 0      | S | 0.0  | 0.0  | 0:00.10 | migrat+  |
| 15   | root     | -51 | 0   | 0       | 0      | 0      | S | 0.0  | 0.0  | 0:00.00 | idle_i+  |
| 17   | root     | 20  | 0   | 0       | 0      | 0      | S | 0.0  | 0.0  | 0:00.00 | cpuhp/0  |


```