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1) **top**- exibe todos os processos rodando em tempo real

```
Mem: 5660K used, 181584K free, 4K shrd, 0K buff, 828K cached
CPU: 25% usr 25% sys 0% nic 50% idle 0% io 0% irq 0% irq
Load average: 0.00 0.00 0.00 1/31 74
  PID  PPID  USER  STAT  VSZ  %VSZ  CPU  %CPU  COMMAND
    1     0  root    S      1512  1%    0    0%  {init} /bin/sh /sbin/init
   74    61  root    R      1516  1%    0   50%  top
   61     1  root    S      1552  1%    0    0%  sh -l
   56     1  root    S     1260  1%    0    0%  dhcpcd -q
   55     1  root    S       744  0%    0    0%  settime -d /
    6     2  root   SW<        0  0%    0    0%  [mm_percpu_wq]
    7     2  root    SW        0  0%    0    0%  [ksoftirqd/0]
    8     2  root    SW        0  0%    0    0%  [kdevtmpfs]
    4     2  root   SW<        0  0%    0    0%  [kworker/0:0H]
   10     2  root   SW<        0  0%    0    0%  [writeback]
   11     2  root    SW        0  0%    0    0%  [kcompactd0]
   12     2  root   SW<        0  0%    0    0%  [crypto]
   13     2  root   SW<        0  0%    0    0%  [bioset]
   14     2  root   SW<        0  0%    0    0%  [kblockd]
    2     0  root    SW        0  0%    0    0%  [kthreadd]
   16     2  root    SW        0  0%    0    0%  [kswapd0]
   17     2  root   SW<        0  0%    0    0%  [bioset]
   34     2  root    SW        0  0%    0    0%  [khvcd]
   35     2  root   SW<        0  0%    0    0%  [bioset]
   36     2  root   SW<        0  0%    0    0%  [bioset]
   37     2  root   SW<        0  0%    0    0%  [bioset]
   38     2  root   SW<        0  0%    0    0%  [bioset]
   39     2  root   SW<        0  0%    0    0%  [bioset]
   40     2  root   SW<        0  0%    0    0%  [bioset]
    3     2  root    SW        0  0%    0    0%  [kworker/0:0]
    5     2  root    SW        0  0%    0    0%  [kworker/u2:0]
    9     2  root    SW        0  0%    0    0%  [oom_reaper]
   15     2  root    SW        0  0%    0    0%  [kworker/0:1]
   41     2  root   SW<        0  0%    0    0%  [bioset]
   42     2  root   SW<        0  0%    0    0%  [bioset]
   62     2  root    SW        0  0%    0    0%  [kworker/u2:1]
```

2) **date**- exibe a data e hora atual.

```
localhost:~# date
Thu Mar 13 20:09:17 UTC 2025
```

3) **cal**-exibe um calendário do mês atual.

```
localhost:~# cal
  March 2025
Su Mo Tu We Th Fr Sa
                1
 2  3  4  5  6  7  8
 9 10 11 12 13 14 15
16 17 18 19 20 21 22
23 24 25 26 27 28 29
30 31
```

- 4) **uptime**- exibe o tempo de atividade do sistema

```
localhost:~# uptime
20:11:36 up 1 min,  load average: 0.00, 0.00, 0.00
```

- 5) **whoami**-exibe como quem você está logado.

```
localhost:~# whoami
root
```

- 6) **du**-exibe o uso espaço em um diretório

```
Loading...
Welcome to JS/Linux (i586)

Use 'vlogin username' to connect to your account.
You can create a new account at https://vfsync.org/signup .
Use 'export_file filename' to export a file to your computer.
Imported files are written to the home directory.

localhost:~# du
4      ./cache/mozilla/firefox/yshb6sxi.default
588    ./cache/mozilla/firefox/j4k7jsk5.default-default/cache2/entries
592    ./cache/mozilla/firefox/j4k7jsk5.default-default/cache2
12012  ./cache/mozilla/firefox/j4k7jsk5.default-default/startupCache
260    ./cache/mozilla/firefox/j4k7jsk5.default-default/OfflineCache
4      ./cache/mozilla/firefox/j4k7jsk5.default-default/thumbnails
4      ./cache/mozilla/firefox/j4k7jsk5.default-default/safebrowsing/google
844    ./cache/mozilla/firefox/j4k7jsk5.default-default/safebrowsing
13716  ./cache/mozilla/firefox/j4k7jsk5.default-default
13724  ./cache/mozilla/firefox
13728  ./cache/mozilla
13732  ./cache
4      ./mozilla/systemextensionsdev
4      ./mozilla/extensions
8      ./mozilla/firefox/yshb6sxi.default
20     ./mozilla/firefox/j4k7jsk5.default-default/sessionstore-backups
4      ./mozilla/firefox/j4k7jsk5.default-default/saved-telemetry-pings
4      ./mozilla/firefox/j4k7jsk5.default-default/bookmarkbackups
4      ./mozilla/firefox/j4k7jsk5.default-default/extensions
4      ./mozilla/firefox/j4k7jsk5.default-default/storage/permanent/chrome/
/3870112724rsegmnoittet-es.files
4      ./mozilla/firefox/j4k7jsk5.default-default/storage/permanent/chrome/
/356128849sdhlie.files
4      ./mozilla/firefox/j4k7jsk5.default-default/storage/permanent/chrome/
/1657114595AmcateirvtiSty.files
4      ./mozilla/firefox/j4k7jsk5.default-default/storage/permanent/chrome/
/145131868ntouromlalnodyr--epcr.files
1076   ./mozilla/firefox/j4k7jsk5.default-default/storage/permanent/chrome/
1084   ./mozilla/firefox/j4k7jsk5.default-default/storage/permanent/chrome
1088   ./mozilla/firefox/j4k7jsk5.default-default/storage/permanent
1092   ./mozilla/firefox/j4k7jsk5.default-default/storage
64     ./mozilla/firefox/j4k7jsk5.default-default/datareporting/archived/20
07
68     ./mozilla/firefox/j4k7jsk5.default-default/datareporting/archived
80     ./mozilla/firefox/j4k7jsk5.default-default/datareporting
1336   ./mozilla/firefox/j4k7jsk5.default-default/gmp-gmpopenh264/1.8.1
1340   ./mozilla/firefox/j4k7jsk5.default-default/gmp-gmpopenh264
8      ./mozilla/firefox/j4k7jsk5.default-default/weave/failed
8      ./mozilla/firefox/j4k7jsk5.default-default/weave/toFetch
20     ./mozilla/firefox/j4k7jsk5.default-default/weave
14136  ./mozilla/firefox/j4k7jsk5.default-default
14156  ./mozilla/firefox
14168  ./mozilla
28     ./wine/dosdevices
4      ./wine/drive_c/ProgramData/Microsoft/Windows/Start Menu/Programs/Sta
p
4      ./wine/drive_c/ProgramData/Microsoft/Windows/Start Menu/Programs/Adm
```

- 7)**free**-exibe o uso de memória e swap

```
localhost:~# free
              total        used        free      shared  buff/cache   available
Mem:          187244        4836       181584          4         824       179336
Swap:           0           0           0
```

- 8)**df**-exibe o uso do disco.

```
localhost:~# df
Filesystem      1K-blocks    Used Available Use% Mounted on
/dev/root        5120000    2417696    2702304   47% /
devtmpfs         93464         0     93464    0% /dev
tmpfs            93620         4     93616    0% /run
none             93620         0     93620    0% /dev/shm
```

9) **arch**-exibe a arquitetura da máquina (1).

```
localhost:~# arch
i586
```

10) **uname -m** -exibe a arquitetura da máquina (2).

```
localhost:~# uname -m
i586
```

11) **name**-exibe o sistema operacional utilizado

```
localhost:~# uname
linux
```

12) **uname** – = exibir informações do sistema operacional

```
Usage: uname [-amnrspvio]

Print system information

    -a      Print all
    -m      The machine (hardware) type
    -n      Hostname
    -r      Kernel release
    -s      Kernel name (default)
    -p      Processor type
    -v      Kernel version
    -i      The hardware platform
    -o      OS name
```

13) **uname -r** -exibe a versão do kernel usado

```
localhost:~# uname -r
4.12.0-rc6-g48ec1f0-dirty
```

14) **uname -a** -exibe informações do kernel

```
localhost:~# uname -a
Linux localhost 4.12.0-rc6-g48ec1f0-dirty #21 Fri Aug 4 21:02:28 CEST 2017 i586 Linux
```

15) **ls** – lista o conteúdo de um diretório

```
localhost:~# ls
bench.py  hello.c  hello.js  readme.txt
```

16) **kill**-envia um sinal para um processo (matar processo)

```
localhost:~# kill
sh: you need to specify whom to kill
```

17)**ps**=exibe processos em execução do sistema

```
localhost:~# ps
PID    USER     TIME   COMMAND
  1  root      0:01  {init} /bin/sh /sbin/init
  2  root      0:00  [kthreadd]
  3  root      0:00  [kworker/0:0]
  4  root      0:00  [kworker/0:0H]
  5  root      0:00  [kworker/u2:0]
  6  root      0:00  [mm_percpu_wq]
  7  root      0:00  [ksoftirqd/0]
  8  root      0:00  [kdevtmpfs]
  9  root      0:00  [oom_reaper]
 10  root      0:00  [writeback]
 11  root      0:00  [kcompactd0]
 12  root      0:00  [crypto]
 13  root      0:00  [bioset]
 14  root      0:00  [kblockd]
 15  root      0:00  [kworker/0:1]
 16  root      0:00  [kswapd0]
 17  root      0:00  [bioset]
 34  root      0:00  [khvcd]
 35  root      0:00  [bioset]
 36  root      0:00  [bioset]
 37  root      0:00  [bioset]
 38  root      0:00  [bioset]
 39  root      0:00  [bioset]
 40  root      0:00  [bioset]
 41  root      0:00  [bioset]
 42  root      0:00  [bioset]
 55  root      0:00  settime -d /
 56  root      0:00  dhcpcd -q
 61  root      0:00  sh -l
 62  root      0:00  [kworker/u2:1]
 89  root      0:00  ps
```

18)**time** –Utilizado para exibir o tempo de execução de um comando.

```
localhost:~# time
BusyBox v1.31.1 () multi-call binary.

Usage: time [-vpa] [-o FILE] PROG ARGS

Run PROG, display resource usage when it exits

    -v      Verbose
    -p      POSIX output format
    -f FMT  Custom format
    -o FILE Write result to FILE
    -a      Append (else overwrite)
```

19)**mkdir**- usado para criar diretórios.


```
localhost:~# mkdir
BusyBox v1.31.1 () multi-call binary.

Usage: mkdir [OPTIONS] DIRECTORY...

Create DIRECTORY

    -m MODE Mode
    -p      No error if exists; make parent directories as needed
localhost:~#
```

20) **ifconfig** – exibir ou configura a interface de rede no sistema.

```
localhost:~# ifconfig
eth0      Link encap:Ethernet  HWaddr 02:88:CD:59:3D:A6
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:0 errors:0 dropped:0 overruns:0 frame:0
          TX packets:12 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:0 (0.0 B)  TX bytes:4752 (4.6 KiB)

lo        Link encap:Local Loopback
          inet addr:127.0.0.1  Mask:255.0.0.0
          UP LOOPBACK RUNNING  MTU:65536  Metric:1
          RX packets:8 errors:0 dropped:0 overruns:0 frame:0
          TX packets:8 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:512 (512.0 B)  TX bytes:512 (512.0 B)
```

21) **ls -l** – exibe a lista de arquivos e diretórios na forma mais detalhada.

```
localhost:~# ls -l
total 52
drwxr-xr-x  2 root  root    2089 Jan  9  2021 bin
drwxr-xr-x  4 root  root    2240 Mar 13 20:15 dev
drwxr-xr-x 39 root  root    1979 Jan  9  2021 etc
drwxr-xr-x  2 root  root      37 Jul  5  2020 home
drwxr-xr-x  8 root  root     901 Aug 17  2020 lib
drwxr-xr-x  5 root  root     102 May 29  2020 media
drwxr-xr-x  2 root  root      37 May 29  2020 mnt
drwxr-xr-x  3 root  root      58 Jan  9  2021 opt
dr-xr-xr-x 41 root  root      0 Mar 13 20:15 proc
drwxr-xr-x  6 root  root     259 Jan  9  2021 root
drwxr-xr-x  4 root  root     140 Mar 13 20:15 run
drwxr-xr-x  2 root  root    2312 Nov 21  2020 sbin
drwxr-xr-x  2 root  root      37 May 29  2020 srv
dr-xr-xr-x 12 root  root      0 Mar 13 20:15 sys
drwxrwxrwt  2 root  root      37 Jan  9  2021 tmp
drwxr-xr-x 10 root  root     229 Jun 24  2020 usr
drwxr-xr-x 16 root  root     348 Aug 27  2020 var
localhost:~#
```

22) **lspci -tv** -exibe os dispositivos pci.

```
localhost:/# lspci -tv
lspci: unrecognized option: t
BusyBox v1.31.1 () multi-call binary.

Usage: lspci [-mk]

List all PCI devices

        -m      Parsable output
        -k      Show driver
```

23) **init 0** -desliga o sistema(1)

```
localhost:/# init 0
mkdir: can't create directory '/dev/pts': File exists
mkdir: can't create directory '/dev/shm': File exists

Welcome to JS/Linux (i586)

Use 'vlogin username' to connect to your account.
You can create a new account at https://vfsync.org/signup .
Use 'export file filename' to export a file to your computer.
Imported files are written to the home directory.
```

24) **ls** – consulta os arquivos de um diretório.

```
localhost:/# ls
bin    etc    lib    mnt    proc  run    srv    tmp    var
dev    home  media  opt    root  sbin   sys    usr
```

25) **ls -a** -exibe arquivos ocultos

```
localhost:/# ls -a
.          .fscmd    dev        lib        opt        run        sys        var
..         .preload2 etc        media      proc       sbin       tmp
ash_history bin        home       mnt        root       srv        usr
```

26) **tree** -exibe arquivos e pastas em uma árvore a partir da raiz (1)

```
localhost:~# tree
.
├── bench.py
├── hello.c
├── hello.js
└── readme.txt
```

27) **mkdir dir1**-cria uma pasta ou diretório com nome 'dir1'

```
localhost:~# mkdir dir1
localhost:~# ls
bench.py  dir1      hello.c   hello.js  readme.txt
```

28) **rmdir dir1**- exclui a pasta chamada 'dir1'

```
localhost:~# rmdir dir1
localhost:~# ls
bench.py  hello.c  hello.js  readme.txt
```

29) **iconv -l** -listas de cifras conhecidas

```
localhost:~# iconv -l
UTF-8, UTF-16BE, UTF-16LE, UTF-32BE, UTF32-LE, UCS-2BE, UCS-2LE, WCHAR_T,
US_ASCII, ISO8859-1, ISO8859-2, ISO8859-3, ISO8859-4, ISO8859-5,
ISO8859-6, ISO8859-7, ...
```

30) **df -h** -exibe o tamanho dos arquivos e diretórios ordenados por tamanho

```
localhost:~# df -h
Filesystem      Size      Used Available Use% Mounted on
/dev/root        4.9G      2.3G      2.6G   47% /
devtmpfs         91.3M          0      91.3M    0% /dev
tmpfs            91.4M      4.0K      91.4M    0% /run
none             91.4M          0      91.4M    0% /dev/shm
```