Comandos Intermediários Linux





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Conteúdo

Revisão do curso básico;

Manipulação de pastas

mkdir, rmdir, cd, ls;

```
ubuntu@ubuntu:~/Desktop$ ls
ubiquity.desktop
ubuntu@ubuntu:~/Desktop$ mkdir a
ubuntu@ubuntu:~/Desktop$ ls
a ubiquity.desktop
ubuntu@ubuntu:~/Desktop$
```

```
ubuntu@ubuntu:~/Desktop$ rmdir a
ubuntu@ubuntu:~/Desktop$ ls
ubiquity.desktop
ubuntu@ubuntu:~/Desktop$
```

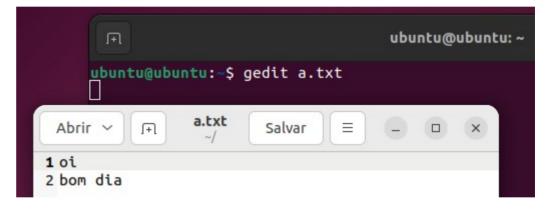
```
ubuntu@ubuntu:~/Desktop$ mkdir a
ubuntu@ubuntu:~/Desktop$ cd a
ubuntu@ubuntu:~/Desktop/a$ ls
ubuntu@ubuntu:~/Desktop/a$
```

Manipulação de Arquivos de texto

echo, cat, >, >>, gedit;

```
ubuntu@ubuntu:~$ echo 'oi'

ubuntu@ubuntu:~$ echo 'oi' > a.txt
ubuntu@ubuntu:~$ cat a.txt
oi
ubuntu@ubuntu:~$ echo 'oi' > a.txt
ubuntu@ubuntu:~$ echo 'oi' > a.txt
ubuntu@ubuntu:~$ cat a.txt
oi
ubuntu@ubuntu:~$ cat a.txt
oi
ubuntu@ubuntu:~$ echo 'bom dia' >> a.txt
ubuntu@ubuntu:~$ cat a.txt
oi
ubuntu@ubuntu:~$ cat a.txt
oi
bom dia
ubuntu@ubuntu:~$
```



Manipulação de arquivos

• cp, rm, mv;

```
ubuntu@ubuntu:~$ ls
a.txt Documentos Imagens Música snap
Desktop Downloads Modelos Público Vídeos
ubuntu@ubuntu:~$ cp a.txt b.txt
ubuntu@ubuntu:~$ cat a.txt b.txt
oi
bom dia
oi
bom dia
ubuntu@ubuntu:~$
```

```
ubuntu@ubuntu:~$ rm a.txt
ubuntu@ubuntu:~$ ls
b.txt Documentos Imagens Música snap
Desktop Downloads Modelos Público Vídeos
ubuntu@ubuntu:~$ mv b.txt c.txt
ubuntu@ubuntu:~$ ls
c.txt Documentos Imagens Música snap
Desktop Downloads Modelos Público Vídeos
ubuntu@ubuntu:~$
```

Comandos do sistema

date, uptime, free, df, du;

```
ubuntu@ubuntu:~$ date
qui 21 jul 2022 09:53:04 UTC
ubuntu@ubuntu:~S uptime
 09:53:07 up 27 min, 1 user, load average: 0,03, 0,23, 0,22
ubuntu@ubuntu:~$ free
               total
                           used
                                       free
                                                 shared buff/cache
                                                                      available
             2024228
                                      151412
                                                                         882920
Mem.:
                         835860
                                                 144928
                                                            1036956
                                          0
Swap:
ubuntu@ubuntu:~S df
Sist. Ara.
              Blocos de 1K
                             Usado Disponível Uso% Montado em
tmpfs
                    202424
                              1536
                                       200888
                                                1% /run
/dev/sr0
                   3569294 3569294
                                            0 100% /cdrom
                                       877500 14% /
/cow
                   1012112 134612
                    1012112
tmpfs
                                      1012112
                                                0% /dev/shm
                                                1% /run/lock
tmpfs
                      5120
                                         5112
                    1012112
tmpfs
                                 0
                                      1012112
                                                0% /tmp
tmpfs
                    202420
                               112
                                       202308
                                                1% /run/user/999
ubuntu@ubuntu:~$ df -h
Sist. Arq.
                Tam. Usado Disp. Uso% Montado em
tmpfs
                198M 1,5M 197M
                                  1% /run
/dev/sr0
                3.5G 3.5G
                              0 100% /cdrom
                989M 132M 857M
                                 14% /
/cow
                                  0% /dev/shm
tmpfs
                989M
                         0 989M
tmpfs
                5,0M 8,0K 5,0M
                                  1% /run/lock
                989M
                         0 989M
tmpfs
                                  0% /tmp
tmpfs
                198M 112K 198M
                                  1% /run/user/999
```

```
ubuntu@ubuntu:~S du -sh .
34M
ubuntu@ubuntu:~$ du -sh *
4.0K
        c.txt
        Desktop
8.0K
        Documentos
        Downloads
        Imagens
        Modelos
        Música
        Público
36K
        snap
        Vídeos
```

processos

ps aux e top;

```
0.0 1.3 351784 26880 ?
                                               Ssl 09:48
                                                            0:00 /usr/libexec/xdg-desktop-portal-gtk
ubuntu
           7455
ubuntu
                0.1 3.2 3076764 66704 ?
                                               Sl 09:48
                                                            0:00 gjs /usr/share/gnome-shell/extensions
ubuntu
                                                            0:00 /usr/bin/python3 /usr/bin/qnome-termi
           7525 0.0 0.9 44484 19240 ?
                                                    09:48
                                               Sl 09:48
                                                            0:00 /usr/bin/gnome-terminal.real --wait
ubuntu
           7526 0.0 1.4 317276 29252 ?
                                               Ssl 09:48
                                                            0:01 /usr/libexec/qnome-terminal-server
ubuntu
           7529 0.2 2.6 768108 53272 ?
           7549 0.0 0.2 19904 5640 pts/0
                                               Ss 09:48
ubuntu
                                                            0:00 bash
                                                            0:00 /usr/bin/gnome-calendar --gapplicatio
ubuntu
           7583 0.0 3.0 735876 60832 ?
                                                    09:48
                                                            0:00 /usr/bin/seahorse --gapplication-serv
ubuntu
           7585 0.0 2.0 688240 42388 ?
                                               SLl 09:48
ubuntu
           7702 0.0 1.3 426060 27688 ?
                                                    09:49
                                                            0:00 update-notifier
ubuntu
                                                    09:56
           7912 0.0 0.0 21408 1568 pts/0
                                                            0:00 ps aux
```

```
top - 09:56:39 up 30 min. 1 user. load average: 0.00. 0.11. 0.17
Tarefas: 190 total, 1 em exec., 189 dormindo,
                                                parado.
                                                            0 zumbi
%Cpu(s): 1,3 us, 0,3 sy, 0,0 ni, 98,3 id, 0,0 wa, 0,0 hi, 0,0 si, 0,0 st
MB mem :
          1976,8 total, 147,6 livre,
                                          811,6 usados,
                                                          1017,5 buff/cache
             0,0 total.
                             0.0 livre.
                                            0,0 usados.
                                                           863.8 mem dispon.
MB swap:
    PID USUARIO
                     NI
                           VTRT
                                   RES
                                          SHR S
                                                %CPU
                                                      %MEM
                                                              TEMPO+ COMANDO
                 PR
   7152 ubuntu
                      0 3776352 377892 135760 S
                 20
                                                      18,7
                                                             0:14.79 gnome-shell
      1 root
                 20
                         166708
                                11628
                                         7912 S
                                                             0:01.01 systemd
                                                       0.6
                                                             0:00.00 kthreadd
      2 root
                 20
                                            0 S
                                                  0,0
                                                       0.0
                      0
                              0
      3 root
                  0 - 20
                                                       0.0
                                                             0:00.00 rcu qp
                              0
```

ls e suas variantes

Is, Isusb, Ispci, Ishw;

```
ubuntu@ubuntu:~S ls
c.txt Desktop Documentos Downloads Imagens Modelos Música Público snap Vídeos
ubuntu@ubuntu:~$ lsusb
Bus 001 Device 002: ID 80ee:0021 VirtualBox USB Tablet
Bus 001 Device 001: ID 1d6b:0001 Linux Foundation 1.1 root hub
ubuntu@ubuntu:~$ lspci
00:00.0 Host bridge: Intel Corporation 440FX - 82441FX PMC [Natomal (rev 02)
00:01.0 ISA bridge: Intel Corporation 82371SB PIIX3 ISA [Natoma/Triton II]
00:01.1 IDE interface: Intel Corporation 82371AB/EB/MB PIIX4 IDE (rev 01)
00:02.0 VGA compatible controller: VMware SVGA II Adapter
00:03.0 Ethernet controller: Intel Corporation 82540EM Gigabit Ethernet Controller (rev 02)
00:04.0 System peripheral: InnoTek Systemberatung GmbH VirtualBox Guest Service
00:05.0 Multimedia audio controller: Intel Corporation 82801AA AC'97 Audio Controller (rev 01)
00:06.0 USB controller: Apple Inc. KeyLargo/Intrepid USB
00:07.0 Bridge: Intel Corporation 82371AB/EB/MB PIIX4 ACPI (rev 08)
00:0d.0 SATA controller: Intel Corporation 82801HM/HEM (ICH8M/ICH8M-E) SATA Controller [AHCI mode] (rev
02)
```

Comandos de manutenção

reboot, halt, shutdown;

```
HALT(8)

NAME
halt, poweroff, reboot - Halt, power-off or reboot the machine

SYNOPSIS
halt [OPTIONS...]

poweroff [OPTIONS...]

reboot [OPTIONS...]

DESCRIPTION
halt, poweroff, reboot may be used to halt, power-off, or reboot the machine. All three commands take the same options.
```

Comandos de rede

ping, ip address show, ip route, ifconfig;

```
ubuntu@ubuntu:~$ ping 8.8.8.8
PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data.
64 bytes from 8.8.8.8: icmp_seq=1 ttl=63 time=12.1 ms
64 bytes from 8.8.8.8: icmp_seq=2 ttl=63 time=12.0 ms
```

```
ubuntu@ubuntu:~$ ip address show
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqu
    link/loopback 00:00:00:00:00:00 brd 00:00:00:0
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1
    link/ether 08:00:27:e0:3e:08 brd ff:ff:ff:ff:finet 10.0.2.15/24 brd 10.0.2.255 scope global
        valid_lft 84434sec preferred_lft 84434sec
    inet6 fe80::5d9c:7d26:9a23:f5ad/64 scope link
        valid_lft forever preferred_lft forever
```

Shell script

touch, chmod, read, expr, | bc;

```
ubuntu@ubuntu:~$ ./programa.sh
bash: ./programa.sh: Permissāo negada
ubuntu@ubuntu:~$ chmod +x programa.sh
ubuntu@ubuntu:~$ ./programa.sh
seja bem vindo!
ubuntu@ubuntu:~$
```

O que vimos?

• Fizemos uma revisão dos comandos básicos.

Na próxima aula...

- Começaremos a aprender os comandos intermediários;
- Comandos adicionais aos já aprendidos no curso anterior.