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**Faculdade de Tecnologia do Estado de São Paulo**

# **Roteiro comandos GNU/Linux**

## **Aula 1**

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Forneça usuário e senha:

```
Debian GNU/Linux 12 DC01 tty1
DC01 login: usuario
Password: _
```

Prompt do usuário e mensagem de boas-vindas:

```
Debian GNU/Linux 12 DC01 tty1
DC01 login: root
Password:
Linux DC01 6.1.0-20-amd64 #1 SMP PREEMPT_DYNAMIC Debian 6.1.85-1 (2024-04-11) x86_64

The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Mon Apr 29 13:14:28 EDT 2024 on tty1
root@DC01:~# _
```

Criar pasta, arquivo e listá-los no diretório:

```
root@DC01:~# s='Comando MKDIR para criar pasta'
root@DC01:~# mkdir pasta
root@DC01:~# ls
pasta
root@DC01:~# s='Comando LS + parametro para visualizacao em formato lista'
root@DC01:~# ls -l
total 4
drwxr-xr-x 2 root root 4096 Apr 29 13:26 pasta
root@DC01:~# s='Comando TOUCH para criar arquivo'
root@DC01:~# touch arquivo
root@DC01:~# s='Comando LS + parametro para visualizacao em formato lista'
root@DC01:~# ls -l
total 4
-rw-r--r-- 1 root root 0 Apr 29 13:27 arquivo
drwxr-xr-x 2 root root 4096 Apr 29 13:26 pasta
root@DC01:~# s='Comando VIM para editar arquivo'
root@DC01:~# vim arquivo
```

Escreva:

Meu primeiro arquivo editado pelo VIM!

Para Salvar, faça:

ESC + :wq

```
root@DC01:~#
root@DC01:~#
root@DC01:~# s='Comando CAT para visualizar o conteúdo do arquivo'
root@DC01:~# cat arquivo
Meu arquivo editado pelo VIM!
root@DC01:~#
```

Visualizar conteúdo do arquivo, entrar no diretório raiz ( cd / ) do sistema operacional:

```
root@DC01:~# s='Comando CAT para visualizar o conteúdo do arquivo'
root@DC01:~# cat arquivo
Meu arquivo editado pelo VIM!
root@DC01:~# s='Comando CD utilizado para entrar ou sair do diretorio'
root@DC01:~# cd /
root@DC01:/# s='Comando LS + parametro para visualizacao em formato lista no diretorio raiz / '
root@DC01:/# ls -l
total 72
lrwxrwxrwx 1 root root 7 Apr 23 10:37 bin -> usr/bin
drwxr-xr-x 3 root root 4096 Apr 23 10:55 boot
drwxr-xr-x 17 root root 3320 Apr 29 13:14 dev
drwxr-xr-x 77 root root 4096 Apr 23 17:18 etc
-rw-r--r-- 1 root root 4513 Apr 23 16:25 history-perfeito
drwxr-xr-x 3 root root 4096 Apr 23 10:54 home
lrwxrwxrwx 1 root root 30 Apr 23 10:42 initrd.img -> boot/initrd.img-6.1.0-20-amd64
lrwxrwxrwx 1 root root 30 Apr 23 10:39 initrd.img.old -> boot/initrd.img-6.1.0-13-amd64
-rwxrwxrwx 1 root root 248 Apr 23 17:22 Internet
lrwxrwxrwx 1 root root 7 Apr 23 10:37 lib -> usr/lib
lrwxrwxrwx 1 root root 9 Apr 23 10:37 lib64 -> usr/lib64
drwx----- 2 root root 16384 Apr 23 10:37 lost+found
drwxr-xr-x 3 root root 4096 Apr 23 10:37 media
drwxr-xr-x 2 root root 4096 Apr 23 10:37 mnt
drwxr-xr-x 2 root root 4096 Apr 23 10:37 opt
dr-xr-xr-x 185 root root 0 Apr 29 13:14 proc
drwx----- 4 root root 4096 Apr 29 13:30 root
drwxr-xr-x 19 root root 540 Apr 29 13:26 run
lrwxrwxrwx 1 root root 8 Apr 23 10:37/sbin -> usr/sbin
drwxr-xr-x 2 root root 4096 Apr 23 10:37 srv
dr-xr-xr-x 13 root root 0 Apr 29 13:14 sys
drwxrwxrwt 8 root root 4096 Apr 29 13:34 tmp
drwxr-xr-x 12 root root 4096 Apr 23 10:41 usr
drwxr-xr-x 11 root root 4096 Apr 23 10:37 var
lrwxrwxrwx 1 root root 27 Apr 23 10:42 vmlinuz -> boot/vmlinuz-6.1.0-20-amd64
lrwxrwxrwx 1 root root 27 Apr 23 10:39 vmlinuz.old -> boot/vmlinuz-6.1.0-13-amd64
root@DC01:/#
```

Sair do diretório raiz e entrar no diretório root:

```
root@DC01:/# s='Comando CD utilizado para entrar no diretorio ROOT'
root@DC01:/# cd /root/
root@DC01:~# s='Comando LS + parametro para visualizacao em formato lista no diretorio raiz /root'
root@DC01:~# ls -l
total 8
-rw-r--r-- 1 root root 30 Apr 29 13:30 arquivo
drwxr-xr-x 2 root root 4096 Apr 29 13:26 pasta
root@DC01:~# _
```

Listar o diretório /root, descobrir qual diretório o prompt está e verificar o IP do host:

```
root@DC01:~# s='Comando LS + parametro para visualizacao em formato lista no diretorio raiz /root'
root@DC01:~# ls -l
total 8
-rw-r--r-- 1 root root 30 Apr 29 13:30 arquivo
drwxr-xr-x 2 root root 4096 Apr 29 13:26 pasta
root@DC01:~# s='Comando PWD para pescobrir qual diretório o prompt está'
root@DC01:~# pwd
/root
root@DC01:~# s='Comando IP ADD para informações da placa de rede'
root@DC01:~# ip add
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host noprefixroute
        valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 08:00:27:74:70:8a brd ff:ff:ff:ff:ff:ff
    inet 172.16.10.1/24 brd 172.16.10.255 scope global enp0s3
        valid_lft forever preferred_lft forever
    inet6 fe80::a00:27ff:fe74:708a/64 scope link
        valid_lft forever preferred_lft forever
```

Reiniciar as configurações da placa de rede e lista serviços na pasta /etc/init.d/

```
root@DC01:~# s='Reiniciar configurações da placa de rede'
root@DC01:~# /etc/init.d/networking restart
Restarting networking (via systemctl): networking.service.
root@DC01:~# s='Pasta para reiniciar serviços'
root@DC01:~# cd /etc/init.d/
root@DC01:/etc/init.d# s='Comando LS + parametro para visualizacao em formato lista'
root@DC01:/etc/init.d# ls -l
total 80
-rwxr-xr-x 1 root root 2055 Jan 10 2023 anacron
-rwxr-xr-x 1 root root 3740 Feb 14 2023 apparmor
-rwxr-xr-x 1 root root 2948 Dec 10 11:57 bluetooth
-rwxr-xr-x 1 root root 1235 May 21 2023 console-setup.sh
-rwxr-xr-x 1 root root 3059 Jul 17 2022 cron
-rwxr-xr-x 1 root root 3152 Sep 16 2023 dbus
-rwxr-xr-x 1 root root 1748 Feb 13 2023 hwclock.sh
-rwxr-xr-x 1 root root 1482 Jul 18 2022 keyboard-setup.sh
-rwxr-xr-x 1 root root 2063 Dec 9 2022 kmod
-rwxr-xr-x 1 root root 3544 Feb 12 11:28 named
-rwxr-xr-x 1 root root 4531 Jan 23 2023 networking
-rwxr-xr-x 1 root root 1287 Oct 10 2023 nmbd
-rwxr-xr-x 1 root root 959 Dec 19 2022 procps
-rwxr-xr-x 1 root root 1645 Oct 10 2023 samba-ad-dc
-rwxr-xr-x 1 root root 1630 Oct 10 2023 smbd
-rwxr-xr-x 1 root root 4060 Dec 19 07:55 ssh
-rwxr-xr-x 1 root root 6871 Sep 20 2023 udev
-rwxr-xr-x 1 root root 1502 Oct 10 2023 winbind
root@DC01:/etc/init.d#
```

Desligar o sistema operacional:

```
root@DC01:~#
root@DC01:~# s='Comando "SHUTDOWN -H NOW" para desligar o sistema operacional'
root@DC01:~# shutdown -h now
```