Exercicios Práticos Comandos Linux 8

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1 - Variáveis de Ambiente

```
correia@correia-VirtualBox:~$ export MEU_DIRETORIO='/home/correia'
correia@correia-VirtualBox:~$ cd Documents
correia@correia-VirtualBox:~/Documents$ cd $MEU_DIRETORIO
correia@correia-VirtualBox:~$
```

2 - Backup Simples

```
correia@correia-VirtualBox:~/Documents$ tar -czvf backup.tar.gz .
./
./arquivo_copiado.txt
./teste.txt
./exercicio_linux_compactado_tar.gz
./arquivo.txt
./lista.txt
./backup.tar.gz
./exercicio_linux/
./arquivo_permissao.txt
correia@correia-VirtualBox:~/Documents$ ls
arquivo_copiado.txt      backup.tar.gz                        lista.txt
arquivo_permissao.txt    exercicio_linux                      teste.txt
arquivo.txt              exercicio_linux_compactado_tar.gz
```

3 - Encontrar e Mover Arquivos

```
correia@correia-VirtualBox:~/Documents$ ls
backup.tar.gz    exercicio_linux_compactado_tar.gz    teste.txt
exercicio_linux    teste_2.txt
correia@correia-VirtualBox:~/Documents$ sudo find . -type f -name "*.txt" -exec
mv -v {} ~/Documents/exercicio_linux \;
renamed './teste.txt' -> '/home/correia/Documents/exercicio_linux/teste.txt'
mv: './exercicio_linux/teste.txt' and '/home/correia/Documents/exercicio_linux/t
este.txt' are the same file
renamed './teste_2.txt' -> '/home/correia/Documents/exercicio_linux/teste_2.txt'
correia@correia-VirtualBox:~/Documents$ cd exercicio_linux/
correia@correia-VirtualBox:~/Documents/exercicio_linux$ ls
teste_2.txt   teste.txt
```

4 - Compressão de Arquivos

```
correia@correia-VirtualBox:~/Documents/exercicio_linux$ gzip teste.txt
correia@correia-VirtualBox:~/Documents/exercicio_linux$ ls
teste_2.txt   teste.txt.gz
correia@correia-VirtualBox:~/Documents/exercicio_linux$ gzip -d teste.txt.gz
correia@correia-VirtualBox:~/Documents/exercicio_linux$ ls
teste_2.txt   teste.txt
```

5 - Controle de Processos

```
correia@correia-VirtualBox:~/Documents/exercicio_linux$ sleep 10 &
[1] 3039
correia@correia-VirtualBox:~/Documents/exercicio_linux$ jobs
[1]+  Running                 sleep 10 &
correia@correia-VirtualBox:~/Documents/exercicio_linux$ fg %1
sleep 10
```

6 - Shell Scripting Simples

```
correia@correia-VirtualBox:~/Documents/exercicio_linux$ echo "echo Olá, Mundo!"
> meu_script.sh
correia@correia-VirtualBox:~/Documents/exercicio_linux$ chmod +x meu_script.sh
correia@correia-VirtualBox:~/Documents/exercicio_linux$ ./meu_script.sh
Olá, Mundo!
```

7 - Controle de Pacotes (APT)

```
correia@correia-VirtualBox:~/Documents/exercicio_linux$ apt list --installed
Listing... Done
accountsservice/jammy-updates,jammy-security,now 22.07.5-2ubuntu1.4 amd64 [insta
lled,automatic]
acl/jammy,now 2.3.1-1 amd64 [installed,automatic]
acpi-support/jammy,now 0.144 amd64 [installed,automatic]
acpid/jammy,now 1:2.0.33-1ubuntu1 amd64 [installed,automatic]
adduser/jammy,jammy,now 3.118ubuntu5 all [installed,automatic]
adwaita-icon-theme/jammy,jammy,now 41.0-1ubuntu1 all [installed,automatic]
aisleriot/jammy,now 1:3.22.22-1 amd64 [installed,automatic]
```

```
correia@correia-VirtualBox:~/Documents/exercicio_linux$ apt search apache
Sorting... Done
Full Text Search... Done
activemq/jammy,jammy 5.16.1-1 all
  Java message broker - server

alpine/jammy 2.25+dfsg1-1build1 amd64
  Text-based email client, friendly for novices but powerful

alpine-doc/jammy,jammy 2.25+dfsg1-1build1 all
  Text-based email client's documentation

ant/jammy,jammy 1.10.12-1 all
  Java based build tool like make

ant-contrib/jammy,jammy 1.0~b3+svn177-12 all
  collection of tasks, types and other tools for Apache Ant
```

```
correia@correia-VirtualBox:~/Documents/exercicio_linux$ sudo apt install apache2
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  apache2-bin apache2-data apache2-utils libapr1 libaprutil1
  libaprutil1-dbd-sqlite3 libaprutil1-ldap
```

8 - Permissões e Properitários

```
correia@correia-VirtualBox:~/Documents/exercicio_linux$ echo "Olá Mundo!" > test
e3.txt
correia@correia-VirtualBox:~/Documents/exercicio_linux$ ls
meu_script.sh  teste_2.txt  teste3.txt  teste.txt
```

```
correia@correia-VirtualBox:~/Documents/exercicio_linux$ sudo chown jose teste3.t
xt
correia@correia-VirtualBox:~/Documents/exercicio_linux$ sudo chmod 700 teste3.tx
t
```

9 - Verificação de Integridade

```
correia@correia-VirtualBox:~/Documents/exercicio_linux$ md5sum teste.txt
d41d8cd98f00b204e9800998ecf8427e  teste.txt
correia@correia-VirtualBox:~/Documents/exercicio_linux$ md5sum teste.txt
1ca308df6cdb0a8bf40d59be2a17eac1  teste.txt
```

10 - Gestão de Redes

```
correia@correia-VirtualBox:~/Documents/exercicio_linux$ ifconfig
enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 10.0.2.15  netmask 255.255.255.0  broadcast 10.0.2.255
        inet6 fe80::e73:fc6f:691a:b548  prefixlen 64  scopeid 0x20<link>
        ether 08:00:27:88:7d:75  txqueuelen 1000  (Ethernet)
        RX packets 1802  bytes 2292339 (2.2 MB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 1350  bytes 106078 (106.0 KB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING>  mtu 65536
        inet 127.0.0.1  netmask 255.0.0.0
        inet6 ::1  prefixlen 128  scopeid 0x10<host>
        loop  txqueuelen 1000  (Local Loopback)
        RX packets 180  bytes 15987 (15.9 KB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 180  bytes 15987 (15.9 KB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

correia@correia-VirtualBox:~/Documents/exercicio_linux$ hostname -I
10.0.2.15
```