

Exercícios Práticos

Comandos Linux 11

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1 - Partilha de arquivos com scp

`scp usuário@servidor_remoto:/caminho/para/arquivo_local /caminho/para/destino_local`

2 - Configuração do Ambiente Python

```
correia@correia-VirtualBox:~$ virtualenv teste
created virtual environment CPython3.10.12.final.0-64 in 313ms
  creator CPython3Posix(dest=/home/correia/teste, clear=False, no_vcs_ignore=False, global=False)
  seeder FromAppData(download=False, pip=bundle, setuptools=bundle, wheel=bundle, via=copy, app_data_dir=/home/correia/.local/share/virtualenv)
    added seed packages: pip==22.0.2, setuptools==59.6.0, wheel==0.37.1
  activators BashActivator,CShellActivator,FishActivator,NushellActivator,PowerShellActivator,PythonActivator
correia@correia-VirtualBox:~$ source teste/bin/activate
(teste) correia@correia-VirtualBox:~$ deactivate
correia@correia-VirtualBox:~$
```

3 - Verificação de Dependências de Pacotes

```
correia@correia-VirtualBox:~$ apt depends virtualenv
virtualenv
Depends: python3-virtualenv
```

4 - Visualização de Páginas de Manual

NAME

ls - list directory contents

SYNOPSIS

ls [OPTION]... [FILE]...

DESCRIPTION

List information about the FILES (the current directory by default). Sort entries alphabetically if none of **-cftuvSUX** nor **--sort** is specified.

Mandatory arguments to long options are mandatory for short options too.

-a, --all

do not ignore entries starting with .

-A, --almost-all

do not list implied . and ..

--author

Manual page ls(1) line 1 (press h for help or q to quit)

5 - Configuração do Cron

```
0 * * * * /Documents/teste_script.sh
# Edit this file to introduce tasks to be run by cron.
#
# Each task to run has to be defined through a single line
# indicating with different fields when the task will be run
# and what command to run for the task
#
# To define the time you can provide concrete values for
# minute (m), hour (h), day of month (dom), month (mon),
# and day of week (dow) or use '*' in these fields (for 'any').
#
# Notice that tasks will be started based on the cron's system
# daemon's notion of time and timezones.
#
# Output of the crontab jobs (including errors) is sent through
# email to the user the crontab file belongs to (unless redirected).
#
# For example, you can run a backup of all your user accounts
# at 5 a.m every week with:
# 0 5 * * 1 tar -zcf /var/backups/home.tgz /home/
#
# For more information see the manual pages of crontab(5) and cron(8)
#
```

6 - Ajuste de Configurações do Sistema

```
correia@correia-VirtualBox:~$ sysctl -a
abi.vsyscall32 = 1
debug.exception-trace = 1
debug.kprobes-optimization = 1
dev.cdrom.autoclose = 1
dev.cdrom.autoeject = 0
dev.cdrom.check_media = 0
dev.cdrom.debug = 0
dev.cdrom.info = CD-ROM information, Id: cdrom.c 3.20 2003/12/17
dev.cdrom.info =
dev.cdrom.info = drive name:                sr0
dev.cdrom.info = drive speed:                32
dev.cdrom.info = drive # of slots:           1
dev.cdrom.info = Can close tray:              1
dev.cdrom.info = Can open tray:              1
dev.cdrom.info = Can lock tray:              1
dev.cdrom.info = Can change speed:           1
dev.cdrom.info = Can select disk:            0
dev.cdrom.info = Can read multisession:      1
dev.cdrom.info = Can read MCN:               1
dev.cdrom.info = Reports media changed:       1
dev.cdrom.info = Can play audio:              1
dev.cdrom.info = Can write CD-R:             0
dev.cdrom.info = Can write CD-RW:            0
```

7 - Controle de Acesso a Arquivos

```
correia@correia-VirtualBox:~/Documents$ ls -l
total 20
drwxrwxr-x 3 correia correia 4096 mar  6 16:32 backup_de_exercicios
-rw-rw-r-- 1 correia correia  547 fev 27 21:24 backup.tar.gz
drwxrwxr-x 2 correia correia 4096 fev 27 21:49 exercicio_linux
-rw-rw-r-- 1 correia correia  125 fev 26 21:44 exercicio_linux_compactado_tar.gz
-rw-rw-r-- 1 correia correia    7 mar 25 20:53 teste.txt
correia@correia-VirtualBox:~/Documents$ setfacl -m u:correia:rwx teste.txt
correia@correia-VirtualBox:~/Documents$ ls -l
total 20
drwxrwxr-x 3 correia correia 4096 mar  6 16:32 backup_de_exercicios
-rw-rw-r-- 1 correia correia  547 fev 27 21:24 backup.tar.gz
drwxrwxr-x 2 correia correia 4096 fev 27 21:49 exercicio_linux
-rw-rw-r-- 1 correia correia  125 fev 26 21:44 exercicio_linux_compactado_tar.g
z
-rw-rwxr-- 1 correia correia    7 mar 25 20:54 teste.txt
```

8 - Instalação de Pacotes do Python

```
correia@correia-VirtualBox:~/Documents$ pip install faker
Defaulting to user installation because normal site-packages is not writeable
Collecting faker
  Downloading Faker-24.4.0-py3-none-any.whl (1.8 MB)
    1.8/1.8 MB 8.5 MB/s eta 0:00:00
Requirement already satisfied: python-dateutil>=2.4 in /usr/lib/python3/dist-packages (from faker) (2.8.1)
Installing collected packages: faker
  WARNING: The script faker is installed in '/home/correia/.local/bin' which is not on PATH.
  Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
Successfully installed faker-24.4.0
```

9 - Configuração de Variáveis de Ambiente Globais

```
correia@correia-VirtualBox:~/Documents$ echo 'VARIABEL_TESTE="Olá, Mundo"' | sudo tee -a /etc/environment
VARIABEL_TESTE="Olá, Mundo"
```

10 - Restauração de Arquivos com rsync

```
correia@correia-VirtualBox:~/Documents$ ls
backup_de_exercicios  exercicio_linux  teste.txt
backup.tar.gz         exercicio_linux_compactado.tar.gz
correia@correia-VirtualBox:~/Documents$ rsync -av ./teste.txt ./backups
sending incremental file list
teste.txt

sent 121 bytes  received 35 bytes  312,00 bytes/sec
total size is 7  speedup is 0,04
```