

RAPPORT LINUX

EL BOUR OTHMANE
ASSIAR ILYAS

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COMMANDES DE GESTION DE DOSSIERS

Au début il n'y avait pas de répertoire dans le dossier utilisateur (~)

```
othmane@DESKTOP-77B3B81:~$ ls -l
total 0
```

Nous avons alors créé des répertoires et avons rempli certains manuellement.

```
othmane@DESKTOP-77B3B81:~/Documents/Bureau$ cd ..
othmane@DESKTOP-77B3B81:~/Documents$ ls
Bureau  Telechargement
othmane@DESKTOP-77B3B81:~/Documents$ ls
Bureau  Images  Telechargement
```

Grâce à `ls -l` et `ls -l -r` nous avons pu accéder au dossier Téléchargement pour voir son contenu

```
othmane@DESKTOP-77B3B81:~$ ls-l
ls-l: command not found
othmane@DESKTOP-77B3B81:~$ ls -l
total 4
drwxr-xr-x 5 othmane othmane 4096 Oct 25 09:36 Documents
othmane@DESKTOP-77B3B81:~$ ls
Documents
othmane@DESKTOP-77B3B81:~$ cd Documents/
othmane@DESKTOP-77B3B81:~/Documents$ ls -l
total 12
drwxr-xr-x 2 othmane othmane 4096 Oct 25 09:32 Bureau
drwxr-xr-x 2 othmane othmane 4096 Oct 25 09:36 Images
drwxr-xr-x 2 othmane othmane 4096 Oct 25 09:32 Telechargement
othmane@DESKTOP-77B3B81:~/Documents$ ls Telechargement/
'DOCUMENT TELECHARGE.txt'
```

Pour suivre un exemple de cours nous avons mis en place l'installation de "aptitude" en mettant à jour le package installer


```
othmane@DESKTOP-77B3B81:~$ sudo apt install aptitude
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Package aptitude is not available, but is referred to by another package.
This may mean that the package is missing, has been obsoleted, or
is only available from another source

E: Package 'aptitude' has no installation candidate
othmane@DESKTOP-77B3B81:~$ sudo apt update
```

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Enfin après installation la commande aptitude est reconnue et fonctionnelle

```
othmane@DESKTOP-77B3B81:~$ aptitude moo
There are no Easter Eggs in this program.
othmane@DESKTOP-77B3B81:~$ aptitude -v moo
There really are no Easter Eggs in this program.
othmane@DESKTOP-77B3B81:~$ aptitude -vv moo
Didn't I already tell you that there are no Easter Eggs in this program?
othmane@DESKTOP-77B3B81:~$ aptitude -vvv moo
Stop it!
othmane@DESKTOP-77B3B81:~$ aptitude -vvvv moo
Okay, okay, if I give you an Easter Egg, will you go away?
othmane@DESKTOP-77B3B81:~$ aptitude -vvvvv moo
All right, you win.
```



```
othmane@DESKTOP-77B3B81:~$ aptitude -vvvvvv moo
What is it? It's an elephant being eaten by a snake, of course.
```

Puis nous avons effectué un test de changement de dossier grâce à un chemin absolue

```
othmane@DESKTOP-77B3B81:~/Documents$ pwd
/home/othmane/Documents
othmane@DESKTOP-77B3B81:~/Documents$ cd /
othmane@DESKTOP-77B3B81:/$ cd home/othmane/Documents
othmane@DESKTOP-77B3B81:~/Documents$
```

Après avoir copié manuellement des fichier dans
'/Telechargement" la commande ls -l nous affiche les
éléments et leurs nombres

```

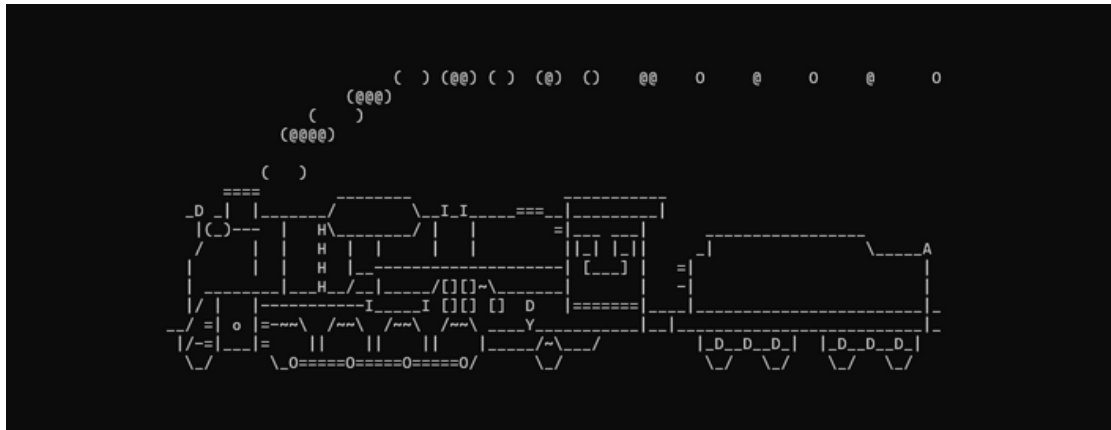
othmane@DESKTOP-77B3B81:~$ ls Documents/Telechargement -l
total 243372
-rw-r--r-- 1 othmane othmane 48467 Aug 28 18:40 '03 WhatsApp Image 2023-08-28 at 16.56.39.jpeg'
-rw-r--r-- 1 othmane othmane 94 Aug 28 18:40 '03 WhatsApp Image 2023-08-28 at 16.56.39.jpeg:Zone.Identifier'
-rw-r--r-- 1 othmane othmane 84613 Aug 2 16:20 'AE310134 (1).pdf'
-rw-r--r-- 1 othmane othmane 50 Aug 2 16:20 'AE310134 (1).pdf:Zone.Identifier'
-rw-r--r-- 1 othmane othmane 51648 May 16 18:51 'Algorithme-Glouton-Greedy Algorithm-1.pdf'
-rw-r--r-- 1 othmane othmane 50 May 16 18:51 'Algorithme-Glouton-Greedy Algorithm-1.pdf:Zone.Identifier'
-rw-r--r-- 1 othmane othmane 20330 Jul 6 03:02 'Assassins.Creed.Brotherhood.Complete.v1.03.torrent'
-rw-r--r-- 1 othmane othmane 50 Jul 6 03:02 'Assassins.Creed.Brotherhood.Complete.v1.03.torrent:Zone.Identifier'
-rw-r--r-- 1 othmane othmane 87295 Jun 30 05:11 'Batman.Arkham.Asylum.Game.Of.The.Year.Edition.v1.1-Repack.torrent'
-rw-r--r-- 1 othmane othmane 50 Jun 30 05:11 'Batman.Arkham.Asylum.Game.Of.The.Year.Edition.v1.1-Repack.torrent:Zone.Identifier'
-rw-r--r-- 1 othmane othmane 235563 Jul 30 21:43 'CV (1).pdf'
-rw-r--r-- 1 othmane othmane 50 Jul 30 21:43 'CV (1).pdf:Zone.Identifier'
-rw-r--r-- 1 othmane othmane 235112 Jul 30 21:48 'CV (2).pdf'
-rw-r--r-- 1 othmane othmane 50 Jul 30 21:48 'CV (2).pdf:Zone.Identifier'
-rw-r--r-- 1 othmane othmane 237251 Jul 30 21:51 'CV (3).pdf'
-rw-r--r-- 1 othmane othmane 50 Jul 30 21:51 'CV (3).pdf:Zone.Identifier'
-rw-r--r-- 1 othmane othmane 237323 Jul 30 21:56 'CV FINAL.pdf'
-rw-r--r-- 1 othmane othmane 50 Jul 30 21:56 'CV FINAL.pdf:Zone.Identifier'
-rw-r--r-- 1 othmane othmane 107005 Jul 29 16:31 'CV PAPA.docx'
-rw-r--r-- 1 othmane othmane 50 Jul 29 16:31 'CV PAPA.docx:Zone.Identifier'
-rw-r--r-- 1 othmane othmane 118345 Jul 30 16:18 'CV.docx'
-rw-r--r-- 1 othmane othmane 50 Jul 30 16:18 'CV.docx:Zone.Identifier'
-rw-r--r-- 1 othmane othmane 234799 Jul 30 19:43 'CV.pdf'
-rw-r--r-- 1 othmane othmane 50 Jul 30 19:43 'CV.pdf:Zone.Identifier'
-rw-r--r-- 1 othmane othmane 85131 Jun 14 16:39 'DARK.SOULS.Remastered.Build.9694186-Repack.torrent'
-rw-r--r-- 1 othmane othmane 50 Jun 14 16:39 'DARK.SOULS.Remastered.Build.9694186-Repack.torrent:Zone.Identifier'
-rw-r--r-- 1 othmane othmane 0 Oct 25 09:44 'DOCUMENT TELECHARGE.txt'
-rw-r--r-- 1 othmane othmane 79417 Jun 14 17:22 'Dark.Souls.II.Scholar.of.the.First.Sin-CODEX.torrent'
-rw-r--r-- 1 othmane othmane 50 Jun 14 17:22 'Dark.Souls.II.Scholar.of.the.First.Sin-CODEX.torrent:Zone.Identifier'
-rw-r--r-- 1 othmane othmane 74419 Jul 15 14:22 'Darksiders_II_Deathinive_Edition_GOG (1).torrent'
-rw-r--r-- 1 othmane othmane 50 Jul 15 14:22 'Darksiders_II_Deathinive_Edition_GOG (1).torrent:Zone.Identifier'
-rw-r--r-- 1 othmane othmane 50825 Jun 2 15:45 'Equation de convexion.PNG'

```

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En accédant au root, avec la commande “sl”, il y a eu passage d'un train

```
root@DESKTOP-77B3B81:~# sl
root@DESKTOP-77B3B81:~# |
```



Changement des autorisation d'un fichier grace à “chmod” pour retirer puis ajouter la permission

```
othmane@DESKTOP-77B3B81:~/Documents/Telechargement$ ls -l resume_de_cours_de_spe_maroc.pdf
-rwxr--r-- 1 othmane othmane 6523230 May 12 00:39 resume_de_cours_de_spe_maroc.pdf
othmane@DESKTOP-77B3B81:~/Documents/Telechargement$ chmod u-x resume_de_cours_de_spe_maroc.pdf
chmod: cannot access 'resume_de_cours_de_spe_maroc.pdf': No such file or directory
othmane@DESKTOP-77B3B81:~/Documents/Telechargement$ chmod u-x resume_de_cours_de_spe_maroc.pdf
othmane@DESKTOP-77B3B81:~/Documents/Telechargement$ ls -l resume_de_cours_de_spe_maroc.pdf
-rw-r--r-- 1 othmane othmane 6523230 May 12 00:39 resume_de_cours_de_spe_maroc.pdf
othmane@DESKTOP-77B3B81:~/Documents/Telechargement$ chmod u+x resume_de_cours_de_spe_maroc.pdf
othmane@DESKTOP-77B3B81:~/Documents/Telechargement$ ls -l resume_de_cours_de_spe_maroc.pdf
-rwxr--r-- 1 othmane othmane 6523230 May 12 00:39 resume_de_cours_de_spe_maroc.pdf
othmane@DESKTOP-77B3B81:~/Documents/Telechargement$ |
```

Refaisant la meme chose pour le fichier Hello.sh mais cette fois en changeant aussi le propriétaire du fichier de “othmane” à “root”

```
othmane@DESKTOP-77B3B81:~/Documents/Images$ ls -l
total 0
-rw-r--r-- 1 othmane othmane 0 Oct 27 18:57 Hello.sh
othmane@DESKTOP-77B3B81:~/Documents/Images$ chmod u+x Hello.sh
othmane@DESKTOP-77B3B81:~/Documents/Images$ ls -l
total 0
-rwxr--r-- 1 othmane othmane 0 Oct 27 18:57 Hello.sh
othmane@DESKTOP-77B3B81:~/Documents/Images$ ./Hello.sh
othmane@DESKTOP-77B3B81:~/Documents/Images$ chown root Hello.sh
chown: changing ownership of 'Hello.sh': Operation not permitted
othmane@DESKTOP-77B3B81:~/Documents/Images$ sudo chown root Hello.sh
[sudo] password for othmane:
othmane@DESKTOP-77B3B81:~/Documents/Images$ ls -l Hello.sh
-rwxr--r-- 1 root othmane 0 Oct 27 18:57 Hello.sh
othmane@DESKTOP-77B3B81:~/Documents/Images$ |
```

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Pour effectuer une copie d'un nombre précis de bloc depuis un fichier prenons l'exemple du fichier /dev/zero et copiant 10Mo dans un autre fichier dans le dossier Bureau

```
othmane@DESKTOP-77B3B81:~$ dd if=/dev/zero of=/home/othmane/Documents/Bureau/Desitation bs=1M count=10
10+0 records in
10+0 records out
10485760 bytes (10 MB, 10 MiB) copied, 0.0265906 s, 394 MB/s
othmane@DESKTOP-77B3B81:~$ cd Documents/Bureau/
othmane@DESKTOP-77B3B81:~/Documents/Bureau$ ls
COPIE.txt  Desitation
othmane@DESKTOP-77B3B81:~/Documents/Bureau$ ls -l
total 10240
-rw-r--r-- 1 othmane othmane      0 Oct 27 20:28 COPIE.txt
-rw-r--r-- 1 othmane othmane 10485760 Oct 28 15:11 Desitation
othmane@DESKTOP-77B3B81:~/Documents/Bureau$ |
```

Pour la lecture d'un fichier, soit on utilise cat ou bien head /tail:

```
othmane@DESKTOP-77B3B81:~/Documents/Images$ cat GroupeProjet.txt
1. Assiar Ilyas
2. El Bour Othmane
3. Ghiouane Soussi Aya
4. Hssaini Zainab
othmane@DESKTOP-77B3B81:~/Documents/Images$ head -n 2 GroupeProjet.txt
1. Assiar Ilyas
2. El Bour Othmane
othmane@DESKTOP-77B3B81:~/Documents/Images$ tail -n 2 GroupeProjet.txt
3. Ghiouane Soussi Aya
4. Hssaini Zainab
othmane@DESKTOP-77B3B81:~/Documents/Images$ |
```

Copie du fichier COPIE.txt du dossier Bureau vers le dossier Images

```
othmane@DESKTOP-77B3B81:~/Documents/Images$ ls
GroupeProjet.txt  Hello.sh
othmane@DESKTOP-77B3B81:~/Documents/Images$ cd ..
othmane@DESKTOP-77B3B81:~/Documents$ cp /home/othmane/Documents/Bureau/COPIE.txt /home/othmane/Documents/Images/
othmane@DESKTOP-77B3B81:~/Documents$ ls
Bureau  Images  Telechargement
othmane@DESKTOP-77B3B81:~/Documents$ cd Images/
othmane@DESKTOP-77B3B81:~/Documents/Images$ ls
COPIE.txt  GroupeProjet.txt  Hello.sh
othmane@DESKTOP-77B3B81:~/Documents/Images$ |
```

Maintenant ce même fichier Destination va être déplacé vers le Dossier Images

```
othmane@DESKTOP-77B3B81:~/Documents/Bureau$ ls
COPIE.txt  Desitation
othmane@DESKTOP-77B3B81:~/Documents/Bureau$ mv Desitation ~/Documents/Images/
othmane@DESKTOP-77B3B81:~/Documents/Bureau$ ls
COPIE.txt
```

```
othmane@DESKTOP-77B3B81:~/Documents$ cd Images/
othmane@DESKTOP-77B3B81:~/Documents/Images$ ls
COPIE.txt  Desitation  GroupeProjet.txt  Hello.sh
othmane@DESKTOP-77B3B81:~/Documents/Images$ |
```

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Déplacer un fichier dans le même répertoire est un bon moyen de le renommer

```
othmane@DESKTOP-77B3B81:~/Documents/Images$ ls
COPIE.txt  Desitation  GroupeProjet.txt  Hello.sh
othmane@DESKTOP-77B3B81:~/Documents/Images$ mv COPIE.txt ORIGINAL.txt
othmane@DESKTOP-77B3B81:~/Documents/Images$ ls
Desitation  GroupeProjet.txt  Hello.sh  ORIGINAL.txt
othmane@DESKTOP-77B3B81:~/Documents/Images$ |
```

Nous allons ensuite supprimer le fichier COPIE.txt du tout début du dossier Bureau ainsi que le dossier "A SUPPRIMER"

```
othmane@DESKTOP-77B3B81:~/Documents/Bureau$ ls -l
total 0
-rw-r--r-- 1 othmane othmane 0 Oct 27 20:33 COPIE.txt
othmane@DESKTOP-77B3B81:~/Documents/Bureau$ rm COPIE.txt
othmane@DESKTOP-77B3B81:~/Documents/Bureau$ ls -l COPIE.txt
ls: cannot access 'COPIE.txt': No such file or directory
othmane@DESKTOP-77B3B81:~/Documents/Bureau$ ls -l
total 0
othmane@DESKTOP-77B3B81:~/Documents/Bureau$ |
```

```
othmane@DESKTOP-77B3B81:~/Documents$ ls
A_SUPPRIMER  Bureau  Images  Telechargement
othmane@DESKTOP-77B3B81:~/Documents$ rm A_SUPPRIMER/ -r
othmane@DESKTOP-77B3B81:~/Documents$ ls
Bureau  Images  Telechargement
othmane@DESKTOP-77B3B81:~/Documents$ |
```

Commande Grep (en copiant passwd dans Bureau)

```
othmane@DESKTOP-77B3B81:~/Documents/Bureau$ grep othmane passwd
othmane:x:1000:1000:,,,:/home/othmane:/bin/bash
othmane@DESKTOP-77B3B81:~/Documents/Bureau$ grep root passwd
root:x:0:0:root:/root:/bin/bash
othmane@DESKTOP-77B3B81:~/Documents/Bureau$ |
```


LES EXPRESSIONS RÉGULIAIRES

On repères les mots commençant par 'C'

```
othmane@DESKTOP-77B3B81:~/Documents/Bureau$ cat Animaux.txt
Turtle
Monkey
Crow
Crocodile
Chicken
Jaguar
Sheep
Wolf
Cat
Panda
Bat
Catta
othmane@DESKTOP-77B3B81:~/Documents/Bureau$ grep '^C' Animaux.txt
Crow
Crocodile
Chicken
Cat
Catta
othmane@DESKTOP-77B3B81:~/Documents/Bureau$ |
```

Ici on recherche les mot ayant la forme définie dans une de ses sequences

```
othmane@DESKTOP-77B3B81:~/Documents/Bureau$ grep 'C.t' Animaux.txt
Cat
Catta
othmane@DESKTOP-77B3B81:~/Documents/Bureau$ .|
```

On va rechercher les lignes contenant les nombres de 0 à 9

```
othmane@DESKTOP-77B3B81:~/Documents/Bureau$ cat Intro.txt
Hi, my name is Othmane, fav number is 123546, 8642.
I'm 20 and a computer science student.
I live in Rabat and i like video games, sport and science
othmane@DESKTOP-77B3B81:~/Documents/Bureau$ grep '[0-9]' Intro.txt
Hi, my name is Othmane, fav number is 123546, 8642.
I'm 20 and a computer science student.
othmane@DESKTOP-77B3B81:~/Documents/Bureau$ |
```

Les lignes contenant la lettre 'v'

```
othmane@DESKTOP-77B3B81:~/Documents/Bureau$ grep '[v]' Intro.txt
Hi, my name is Othmane, fav number is 123546, 8642.
I live in Rabat and i like video games, sport and science
othmane@DESKTOP-77B3B81:~/Documents/Bureau$ |
```


Recherche sur les mot contenant un 'i' suivi de 0 ou plusieurs 't'

```
othmane@DESKTOP-77B3B81:~/Documents/Bureau$ cat Lettre_0.txt
Oak
Obey
Obit
Omitted
Oasis
Object
Orbit
Obsidian
Obsolete
Obstruct
oooooooooooo
ood
od
ooooothmane@DESKTOP-77B3B81:~/Documents/Bureau$ grep 'it*' Lettre_0.txt
Obit
Omitted
Oasis
Orbit
Obsidian
othmane@DESKTOP-77B3B81:~/Documents/Bureau$ |
```

Contrairement à la précédente on repère ici 1 a plusieurs occurrence de la lettre 'r'

```
othmane@DESKTOP-77B3B81:~/Documents/Bureau$ grep 'r*'
Bonjour je suis en train de faire un teste
Bonjour je suis en train de faire un teste
Ce teste repere les r se trouvant dans ce texte que j'ecrit dans le terminal
Ce teste repere les r se trouvant dans ce texte que j'ecrit dans le terminal
othmane@DESKTOP-77B3B81:~/Documents/Bureau$ |
```


GESTION DES PAQUETS

La commande 'update'

```
othmane@DESKTOP-77B3B81:~/Documents$ sudo apt-get update
[sudo] password for othmane:
Hit:1 http://archive.ubuntu.com/ubuntu jammy InRelease
Get:2 http://archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]
Get:3 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Get:4 http://archive.ubuntu.com/ubuntu jammy-backports InRelease [109 kB]
Get:5 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [1104 kB]
Get:6 http://security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [896 kB]
Get:7 http://security.ubuntu.com/ubuntu jammy-security/main amd64 c-n-f Metadata [11.4 kB]
Get:8 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [793 kB]
Get:9 http://archive.ubuntu.com/ubuntu jammy-updates/main Translation-en [240 kB]
Get:10 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 c-n-f Metadata [16.1 kB]
Get:11 http://archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [995 kB]
Get:12 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 c-n-f Metadata [16.7 kB]
Get:13 http://archive.ubuntu.com/ubuntu jammy-updates/universe amd64 c-n-f Metadata [22.0 kB]
Fetched 4432 kB in 27s (161 kB/s)
Reading package lists... Done
othmane@DESKTOP-77B3B81:~/Documents$
```

Puis effectuer la recherche du paquet cowsay avec search

```
othmane@DESKTOP-77B3B81:~/Documents$ apt-cache search cows
devscripts - scripts to make the life of a Debian Package maintainer easier
libmoose-struct-perl - simple lightweight record-like structures making sounds like cows
7zip - 7-Zip file archiver with a high compression ratio
avereall - incredibly stupid web server
cowbell - An easy-to-use tag editor for your music files
cowbuilder - pbuilder running on cowlancer
cowlancer - Copy-on-write directory tree utility
cowpaty - Brute-force WPA dictionary attack
cowsay - configurable talking cow
cowsay-off - configurable talking cow (offensive cows)
dicoweb - RFC 2229 compliant modular dictionary server (web interface)
erlang-cowboy - Cowboy is a small, fast and modular HTTP server written in Erlang
erlang-cowboy-doc - Documentation files for erlang-cowboy
erlang-cowboy-examples - Examples for erlang-cowboy
erlang-cowlib - Erlang library for manipulating web protocols
fi-cow - copy-on-write utility
forensics-all - Debian Forensics Environment - essential components (metapackage)
gitless - version control system on top of Git
libb-cow-perl - additional B helpers to check COW status
libforks-perl - Perl module to emulate threads with fork
libguestfs0 - guest disk image management system - shared library
libnet-opensrs-perl - Perl interface for domain registration via the Tucows OpenSRS HTTPS XML API.
libqcow-dev - QEMU Copy-On-Write image format access library -- development files
libqcow-utils - QEMU Copy-On-Write image format access library -- Utilities
libqcow1 - QEMU Copy-On-Write image format access library
librat-catalog-perl - Perl module for resolving public and remapping system identifiers
libray-absorption-perl - x-ray absorption data for the elements
netrek-client-cow - client for netrek online game
opengcs - Guest Compute Service for Linux Hyper-V Container
php-text-wiki - transform Wiki and BBCode markup into XHTML, LaTeX or plain text markup
presenty - Console-based presentation software
python3-libqcow - QEMU Copy-On-Write image format access library -- Python 3 bindings
qemu-web-desktop - Remote desktop service with virtual machines in a browser.
qemubuilder - pbuilder using QEMU as backend
r-cran-cowplot - GNU R streamlined plot theme and plot annotations for 'ggplot2'
r-cran-patchwork - GNU R the composer of plots
ruby-makayoshi-fork - solves Cow friendly problem on MRI 2.2 and later
scowl - Spell-Checker Oriented Word Lists
texlive-publishers - Tex Live: Publisher styles, theses, etc.
ubuntu-dev-tools - useful tools for Ubuntu developers
unview-mod-views - View-OS in user space - Filesystem mangling modules
vagrant-libvirt - Vagrant plugin that adds an Libvirt provider to Vagrant
xcowsay - Graphical configurable talking cow
xscreensaver-glx-extra - Extra GL(Mesa) screen saver modules for screensaver frontends
yt-dlp - downloader of videos from YouTube and other sites
othmane@DESKTOP-77B3B81:~/Documents$
```

Et enfin l'installation et le test de la commande trouvée

```
othmane@DESKTOP-77B3B81:~/Documents$ sudo apt-get install cowsay
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Suggested packages:
  filters cowsay-off
The following NEW packages will be installed:
  cowsay
0 upgraded, 1 newly installed, 0 to remove and 105 not upgraded.
Need to get 18.6 kB of archives.
After this operation, 93.2 kB of additional disk space will be used.
Get:1 http://archive.ubuntu.com/ubuntu jammy/universe amd64 cowsay all 3.03+dfsg2-8 [18.6 kB]
Fetched 18.6 kB in 1s (17.0 kB/s)
Selecting previously unselected package cowsay.
(Reading database ... 24693 files and directories currently installed.)
Preparing to unpack .../cowsay_3.03+dfsg2-8_all.deb ...
Unpacking cowsay (3.03+dfsg2-8) ...
Setting up cowsay (3.03+dfsg2-8) ...
Processing triggers for man-db (2.10.2-1) ...
othmane@DESKTOP-77B3B81:~/Documents$ cowsay "Hello World"

< Hello World >
-----
      ^__^
      (oo)\_______
      (_____)       )\
      ||----w |
      ||     ||

othmane@DESKTOP-77B3B81:~/Documents$
```

RapportLinux

Pour mettre à jours tous les paquets on utilise ‘update’ suivie de ‘upgrade’

```
othmane@DESKTOP-77B3B81:~/Documents$ sudo apt-get update
Hit:1 http://security.ubuntu.com/ubuntu jammy-security InRelease
Hit:2 http://archive.ubuntu.com/ubuntu jammy InRelease
Hit:3 http://archive.ubuntu.com/ubuntu jammy-updates InRelease
Hit:4 http://archive.ubuntu.com/ubuntu jammy-backports InRelease
Reading package lists... Done
othmane@DESKTOP-77B3B81:~/Documents$ sudo apt-get upgrade
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Calculating upgrade... Done
The following packages will be upgraded:
  apport apt apt-utils base-files bind9-dnsutils bind9-host bind9-libs binutils binutils-common
  binutils-x86-64-linux-gnu ca-certificates curl distro-info distro-info-data dpkg file gawk gcc-12-base git git-man
  iptables irqbalance libapt-pkg6.0 libbinutils libc-bin libc6 libc62 libc62-bin libc62-headers libc62-headers-dev libc62-headers-libs
  libcurl3-gnutls libcurl4 libgcc-s1 libglib2.0-0 libglib2.0-bin libglib2.0-data libgssapi-krb5-2 libip4tc2 libip6tc2
  libjson-c5 libk5crypto3 libkrb5-3 libkrb5support0 libldap-2.5-0 libldap-common libmagic-mgc libmagic1 libncurses6
  libncursesw6 libnetplan0 libnss-systemd libpam-cap libpam-systemd libperl5.34 libpython3.10 libpython3.10-minimal
  libpython3.10-stdlib libssh-0 libssl3 libstdc++6 libsystemd0 libtinfo6 libudev1 libunwind8 libxml-6 libxml2-data
  libxtables12 locales motd-news-config ncurses-base ncurses-bin netplan.io openssh-client openssl perl perl-base
  perl-modules-5.34 python-apt-common python3-apport python3-apt python3-distro-info python3-distupgrade python3-gdm
  python3-problem-report python3-software-properties python3.10 python3.10-minimal snapd software-properties-common
  systemd systemd-sysv systemd-timesyncd tzdata ubuntu-advantage-tools ubuntu-minimal ubuntu-release-upgrader-core
  ubuntu-standard ubuntu-wsl udev ufw vim vim-common vim-runtime vim-tiny xxd
105 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
Need to get 29.6 MB/91.0 MB of archives.
After this operation, 4863 kB disk space will be freed.
Do you want to continue? [Y/n] y
Get:1 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 motd-news-config all 12ubuntu4.4 [4472 B]
Get:2 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 base-files amd64 12ubuntu4.4 [62.6 kB]
Get:3 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libnss-systemd amd64 249.11-0ubuntu3.11 [133 kB]
Get:4 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libsystemd0 amd64 249.11-0ubuntu3.11 [318 kB]
Get:5 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 systemd-timesyncd amd64 249.11-0ubuntu3.11 [31.2 kB]
Get:6 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 systemd-sysv amd64 249.11-0ubuntu3.11 [10.5 kB]
Get:7 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libpam-systemd amd64 249.11-0ubuntu3.11 [203 kB]
Get:8 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 systemd amd64 249.11-0ubuntu3.11 [4581 kB]
Get:9 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 udev amd64 249.11-0ubuntu3.11 [1557 kB]
Get:10 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libudev1 amd64 249.11-0ubuntu3.11 [78.0 kB]
Get:11 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libxtables12 amd64 1.8.7-1ubuntu5.1 [31.2 kB]
Get:12 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 iptables amd64 1.8.7-1ubuntu5.1 [455 kB]
Get:13 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libip6tc2 amd64 1.8.7-1ubuntu5.1 [20.2 kB]
Get:14 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libip4tc2 amd64 1.8.7-1ubuntu5.1 [19.8 kB]
Get:15 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libapt-pkg6.0 amd64 2.4.10 [907 kB]
Get:16 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 dpkg amd64 1.21.1ubuntu2.2 [1239 kB]
Get:17 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 apt amd64 2.4.10 [1379 kB]
Get:18 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 apt-utils amd64 2.4.10 [211 kB]
Get:19 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 irqbalance amd64 1.8.0-1ubuntu0.1 [47.1 kB]
Get:20 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libk5crypto3 amd64 1.19.2-2ubuntu0.2 [86.3 kB]
Get:21 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libkrb5support0 amd64 1.19.2-2ubuntu0.2 [32.3 kB]
Get:22 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libkrb5-3 amd64 1.19.2-2ubuntu0.2 [357 kB]
Get:23 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libgssapi-krb5-2 amd64 1.19.2-2ubuntu0.2 [145 kB]
Get:24 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 distro-info-data all 0.52ubuntu0.5 [5030 B]
Get:25 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 distro-info amd64 1.1ubuntu0.1 [19.0 kB]
Get:26 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 netplan.io amd64 0.106.1-7ubuntu0.22.04.2 [105 kB]
Get:27 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libnetplan0 amd64 0.106.1-7ubuntu0.22.04.2 [109 kB]
Get:28 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 python-apt-common all 2.4.0ubuntu2 [14.8 kB]
```

REDIRECTION ET EDITEUR DE TEXTE

En ajoutant le ‘>’ entre deux fichier de la commande cat on réécrit le contenu du deuxième fichier avec le premier; en l’occurrence on remplace le contenu de ‘Redirect.txt’ par le contenu de ‘Animaux.txt’

```
othmane@DESKTOP-77B3B81:~/Documents/Bureau$ ls
Animaux.txt Intro.txt Lettre_0.txt passwd
othmane@DESKTOP-77B3B81:~/Documents/Bureau$ cat Animaux.txt > Redirect.txt
othmane@DESKTOP-77B3B81:~/Documents/Bureau$ cat Redirect.txt
Turtle
Monkey
Crow
Crocodile
Chicken
Jaguar
Sheep
Wolf
Cat
Panda
Bat
Catta
othmane@DESKTOP-77B3B81:~/Documents/Bureau$ echo '-----' >> Redirect.txt
```

En doublant le signe ‘>’ on ajoute simplement le contenu à la fin du fichier

Echo permet d’écrire directement dans le terminal ce qu’on veut ajouter

```
othmane@DESKTOP-77B3B81:~/Documents/Bureau$ cat Redirect.txt
Turtle
Monkey
Crow
Crocodile
Chicken
Jaguar
Sheep
Wolf
Cat
Panda
Bat
Catta
-----
othmane@DESKTOP-77B3B81:~/Documents/Bureau$ cat Intro.txt >> Redirect.txt
othmane@DESKTOP-77B3B81:~/Documents/Bureau$ cat Redirect.txt
Turtle
Monkey
Crow
Crocodile
Chicken
Jaguar
Sheep
Wolf
Cat
Panda
Bat
Catta
-----
Hi, my name is Othmane, fav number is 123546, 8642.
I'm 20 and a computer science student.
I live in Rabat and i like video games, sport and science
othmane@DESKTOP-77B3B81:~/Documents/Bureau$ |
```

RapportLinux

Et pour finir ce rapport nous avons ici l'interface de l'editeur de texte vim dans lequel on y a saisi le 'Hello World'



The image shows a terminal window with the Vim text editor. The first line contains the text "Hello World". The rest of the screen is dark with a vertical column of small, light blue characters on the left side, which are likely the result of a search or a specific Vim configuration. In the bottom right corner, the text "2,0-1 All" is visible.

NOTES D'EXAM ET CERTIFICATIONS

EL BOUR OTHMANE:

Previous Attempts

3 attempts with **unlimited** remaining

Nov. 1, 2023, 9:44 a.m.	90%	27 / 30	View
Nov. 1, 2023, 9:13 a.m.	80%	24 / 30	View
Oct. 31, 2023, 5:30 p.m.	80%	24 / 30	View

You have taken this assessment 3 times. You have an **unlimited** number of attempts remaining. Click the Begin button to get started. Make sure you complete all questions and submit your answers when you are done.

[Begin Assessment](#)



Dear Othmane EL BOUR,

Congratulations on completing the NDG Linux Unhatched course in the Cisco Networking Academy. This letter documents you have successfully completed the NDG Linux Unhatched course, which provides an introduction to the Linux command line. Linux is everywhere! As the reach of Linux continues to grow, knowledge of Linux is a core skill for all IT professionals. By completing this course, you have gained a better understanding of Linux.

If you decide to pursue additional knowledge of Linux consider:

NDG LINUX ESSENTIALS

This course is the perfect next step for beginners looking to expand their skills and knowledge of Linux. This full-semester course can be delivered as instructor-led training or as a self-paced learning experience. The NDG Linux Essentials course is designed to prepare you for the Linux Professional Institute Linux Essentials Professional Development Certificate.

Again, congratulations and we wish you continued success!

*Sincerely,
The NDG Team*

NDG LINUX SERIES

This certification level series offers beginners more rigorous in-depth coverage. The NDG Introduction to Linux I and NDG Introduction to Linux II courses focus on the basic Linux system administration skills needed in preparation for the Linux Professional Institute LPIC-1 certification.

Date 01/11/2023

NOTES D'EXAM ET CERTIFICATIONS

ASSIAR ILYAS:

Previous Attempts			
1 attempts with unlimited remaining			
Nov. 6, 2023, 1:13 p.m.	100%	30 / 30	View

Warning

You received a grade of **100%** on your last attempt. If you take this assessment again your new grade will replace your previous grade.

You have taken this assessment **1** times. You have an **unlimited** number of attempts remaining. Click the **Begin** button to get started. Make sure you complete all questions and submit your answers when you are done.

[Begin Assessment](#)



Dear Ilyas Assiar,

Congratulations on completing the NDG Linux Unhatched course in the Cisco Networking Academy. This letter documents you have successfully completed the NDG Linux Unhatched course, which provides an introduction to the Linux command line. Linux is everywhere! As the reach of Linux continues to grow, knowledge of Linux is a core skill for all IT professionals. By completing this course, you have gained a better understanding of Linux.

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Date 6 Nov 2023