

UNIVERSITE DE TECHNOLOGIE D'HAITI  
(Unitech)

Faculte des sciences informatiques

Cours : cybersecurite

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## **Description des resultats de la tache**

1

la manipulation des fichiers et des permissions

l'utilisation de grep pour la recherche dans les fichiers

l'execution de plusieurs commandes systemes pour la gestion du systeme

Modification des permissions pour qu'il soit accessible uniquement en lecture par le proprietaire

# Les resultats de l 'execution des commandes

1- cette capture montre le clonage du dossier cybersec

```
Fichier Actions Éditer Vue Aide
(bazin@Bazin)-[~/Bureau]
$ git clone https://github.com/Bazin34/cybersec.git
Clonage dans 'cybersec' ...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Réception d'objets: 100% (3/3), fait.

(bazin@Bazin)-[~/Bureau]
```

2-cette capture montre les sous dossiers crees

```
(bazin@Bazin)-[~/Bureau/cybersec]
$ mkdir -p scripts

(bazin@Bazin)-[~/Bureau/cybersec]
$ mkdir -p scan

(bazin@Bazin)-[~/Bureau/cybersec]
$ mkdir -p logs
```

3-cette image monte le contenu notes.txt afficher dans scan et logs

```
(bazin@Bazin)-[~/Bureau/cybersec]
$ echo "je suis Jean" > ~/Bureau/cybersec/logs/notes.txt

(bazin@Bazin)-[~/Bureau/cybersec]
$ echo "je suis Benzema" > ~/Bureau/cybersec/scan/notes.txt

(bazin@Bazin)-[~/Bureau/cybersec]
$ cat ~/Bureau/cybersec/scan/notes.txt
suis Benzema

(bazin@Bazin)-[~/Bureau/cybersec]
$ cat ~/Bureau/cybersec/logs/notes.txt
suis Jean
```

#### 4-Fichier copier et la verification si le fichier a ete créer

```
(bazin@Bazin)-[~]  
$ cp ~/Bureau/cybersec/scan/notes.txt ~/Bureau/cybersec/scripts/  
  
(bazin@Bazin)-[~]  
$ ls -l ~/Bureau/cybersec/scripts/  
total 4  
rw-rw-r-- 1 bazin bazin 16 15 fév 10:25 notes.txt  
  
(bazin@Bazin)-[~]  
$
```

#### 5-Deplacement du fichier notes.txt dans le sous dossier scan

```
(bazin@Bazin)-[~]  
$ mv ~/Bureau/cybersec/scan/notes.txt ~/Bureau/cybersec/scripts/  
  
(bazin@Bazin)-[~]  
$ ls -l ~/Bureau/cybersec/scripts/  
total 4  
rw-rw-r-- 1 bazin bazin 16 14 fév 19:14 notes.txt  
  
(bazin@Bazin)-[~]  
$ ls -l ~/Bureau/cybersec/scan  
total 0
```

#### 6-Suppression du fichier notes.txt dans le sous dossiers scripts et la verification

```
(bazin@Bazin)-[~]  
$ rm ~/Bureau/cybersec/scripts/notes.txt  
  
(bazin@Bazin)-[~]  
$ ls -l ~/Bureau/cybersec/scripts  
total 0  
ls: impossible d'accéder à '/home/bazin/Bureau/cybersec/scripts': Aucun fichier ou dossier de ce nom  
  
(bazin@Bazin)-[~]  
$ ls -l ~/Bureau/cybersec/scan  
total 0
```

#### 7-La suppression des trois sous dossiers

```
(bazin@Bazin)-[~]  
$ rm -r ~/Bureau/cybersec/scan ~/Bureau/cybersec/logs ~/Bureau/cybersec/scripts
```

#### 8-Verification de la suppression des trois sous dossiers

```
(bazin@Bazin)-[~]  
$ ls -l ~/Bureau/cybersec/  
total 4  
-rw-rw-r-- 1 bazin bazin 39 14 fév 17:18 README.md
```

## 9-Affichage des informations du reseau

```
(bazin@Bazin)-[~]
$ ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 10.0.2.15 netmask 255.255.255.0 broadcast 10.0.2.255
    inet6 fd00::3280:7dc7:ab06:8e52 prefixlen 64 scopeid 0<global>
    inet6 fe80::a00:27ff:feb3:d200 prefixlen 64 scopeid 0<link>
    ether 08:00:27:b3:d2:00 txqueuelen 1000 (Ethernet)
    RX packets 26187 bytes 23902254 (22.7 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 13535 bytes 3025978 (2.8 MiB)
    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 0<host>
    loop txqueuelen 1000 (Boucle locale)
    RX packets 10 bytes 580 (580.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 10 bytes 580 (580.0 B)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

## 10-Affichage de la route par defaut et la scannerisation par nmap

```
(bazin@Bazin)-[~]
$ ip route | grep default
default via 10.0.2.2 dev eth0 proto dhcp src 10.0.2.15 metric 100

(bazin@Bazin)-[~]
$ nmap -sn 10.0.2.15
Starting Nmap 7.95 ( https://nmap.org ) at 2025-02-15 11:35 EST
Nmap scan report for 10.0.2.15
Host is up.
Nmap done: 1 IP address (1 host up) scanned in 13.03 seconds
```

## 11-Creation du fichier secret pour qu'il soit accessible en lecture par le proprietaire

```
(bazin@Bazin)-[~/Bureau/cybersec]
$ touch secret.txt

(bazin@Bazin)-[~/Bureau/cybersec]
$ chmod 400 secret.txt

(bazin@Bazin)-[~/Bureau/cybersec]
$ ls -l
total 4
-rw-rw-r-- 1 bazin bazin 39 14 fév 17:18 README.md
-r----- 1 bazin bazin  0 15 fév 11:55 secret.txt
```

12-Creation du fichier log.txt avec les lignes de texte qui utilisent grep pour un recherche d'un mot spécifique

```
-(bazin@Bazin)-[~/Bureau/cybersec]
$ echo "notre systeme detecte une erreur" > log.txt

-(bazin@Bazin)-[~/Bureau/cybersec]
$ echo "la connexion a ete etablie avec succes" >> log.txt

-(bazin@Bazin)-[~/Bureau/cybersec]
$ grep "systeme" log.txt
tre systeme detecte une erreur

-(bazin@Bazin)-[~/Bureau/cybersec]
$
```

13-l'espace du disque disponible

```
-(bazin@Bazin)-[~/Bureau/cybersec]
$ df -h

```

sys. de fichiers	Taille	Utilisé	Dispo	Uti%	Monté sur
dev	925M	0	925M	0%	/dev
mpfs	198M	1008K	197M	1%	/run
dev/sda1	38G	16G	20G	44%	/
mpfs	988M	4,0K	988M	1%	/dev/shm
mpfs	5,0M	0	5,0M	0%	/run/lock
mpfs	1,0M	0	1,0M	0%	/run/credentials/systemd-journald.service
mpfs	988M	8,0K	988M	1%	/tmp
mpfs	1,0M	0	1,0M	0%	/run/credentials/getty@tty1.service
mpfs	198M	2,8M	195M	2%	/run/user/1000

```
-(bazin@Bazin)-[~/Bureau/cybersec]
```

14- la liste des processus

```
-(bazin@Bazin)-[~/Bureau/cybersec]
$ ps aux

```

USER	PID	%CPU	%MEM	VSZ	RSS	TTY	STAT	START	TIME	COMMAND
root	1	0.0	0.5	23276	11976	?	Ss	09:25	0:06	/sbin/init splash
root	2	0.0	0.0	0	0	?	S	09:25	0:00	[kthreadd]
root	3	0.0	0.0	0	0	?	S	09:25	0:00	[pool_workqueue_release]
root	4	0.0	0.0	0	0	?	I<	09:25	0:00	[kworker/R-rcu_gp]
root	5	0.0	0.0	0	0	?	I<	09:25	0:00	[kworker/R-sync_wq]
root	6	0.0	0.0	0	0	?	I<	09:25	0:00	[kworker/R-slub_flushwq]
root	7	0.0	0.0	0	0	?	I<	09:25	0:00	[kworker/R-netns]
root	12	0.0	0.0	0	0	?	I<	09:25	0:00	[kworker/R-mm_percpu_wq]
root	13	0.0	0.0	0	0	?	I	09:25	0:00	[rcu_tasks_kthread]
root	14	0.0	0.0	0	0	?	I	09:25	0:00	[rcu_tasks_rude_kthread]
root	15	0.0	0.0	0	0	?	I	09:25	0:00	[rcu_tasks_trace_kthread]
root	16	0.0	0.0	0	0	?	S	09:25	0:10	[ksoftirqd/0]
root	17	0.1	0.0	0	0	?	I	09:25	0:15	[rcu_preempt]
root	18	0.0	0.0	0	0	?	S	09:25	0:00	[rcu_exp_par_gp_kthread_worker/0]
root	19	0.0	0.0	0	0	?	S	09:25	0:00	[rcu_exp_gp_kthread_worker]
root	20	0.0	0.0	0	0	?	S	09:25	0:00	[migration/0]



## 15-La liste des peripheriques

```
(bazin@Bazin) [~/Bureau/cybersec]
$ lspci
:00.0 Host bridge: Intel Corporation 440FX - 82441FX PMC [Natoma] (rev 02)
:01.0 ISA bridge: Intel Corporation 82371SB PIIX3 ISA [Natoma/Triton II]
:01.1 IDE interface: Intel Corporation 82371AB/EB/MB PIIX4 IDE (rev 01)
:02.0 VGA compatible controller: VMware SVGA II Adapter
:03.0 Ethernet controller: Intel Corporation 82540EM Gigabit Ethernet Controller (rev 02)
:04.0 System peripheral: InnoTek Systemberatung GmbH VirtualBox Guest Service
:05.0 Multimedia audio controller: Intel Corporation 82801AA AC'97 Audio Controller (rev 01)
:06.0 USB controller: Apple Inc. KeyLargo/Intrepid USB
:07.0 Bridge: Intel Corporation 82371AB/EB/MB PIIX4 ACPI (rev 08)
:0b.0 USB controller: Intel Corporation 82801FB/FBM/FR/FW/FRW (ICH6 Family) USB2 EHCI Controller
:0d.0 SATA controller: Intel Corporation 82801HM/HEM (ICH8M/ICH8M-E) SATA Controller [AHCI mode] (rev 02)
```

## 16- installation du traceroute et tracer la route vers google

```
(bazin@Bazin) [~/Bureau/cybersec]
$ sudo apt install traceroute
[sudo] Mot de passe de bazin :
traceroute est déjà la version la plus récente (1:2.1.6-1).
Les paquets suivants ont été installés automatiquement et ne sont plus nécessaires :
  imagemagick-6.q16 libdirectfb-1.7-7t64 libglvnd-core-dev libjxl0.9 libqt5-11extras5 libx265-209
  libbrotli1 libbrotli-dev libglvnd-dev libmagickcore-6.q16-7-extra libsuperlu6 openjdk-23-jre
  libc++-11-19 libfmt9 libgtksourceview-3.0-1 libmagickcore-6.q16-7t64 libtag1v6 openjdk-23-jre-headless
  libc++abi11-19 libgda135 libgtksourceview-3.0-common libmagickwand-6.q16-7t64 libtag1v5-vanilla python3-appdirs
  libcapstone4 libgl1-mesa-dev libgtksourceviewmm-3.0-0v5 libmbedcrypto7t64 libtagc0
  libconfig++9v5 libgles-dev libhdf5-103-1t64 libpaper1 libunwind-19
  libconfig9 libgles1 libhdf5-hl-100t64 libpoppler140 libwebRTC-audio-processing1
  veuillez utiliser « sudo apt autoremove » pour les supprimer.

Summary:
  Upgrading: 0, Installing: 0, Removing: 0, Not Upgrading: 1
(bazin@Bazin) [~/Bureau/cybersec]
$ traceroute google.com
traceroute to google.com (142.250.189.142), 30 hops max, 60 byte packets
 1 10.0.2.2 (10.0.2.2)  0.730 ms  0.874 ms  1.041 ms
 2 * * *
 3 * * *
 4 * * *
 5 * * *
 6 * * *
 7 * * *
 8 * * *
 9 * * *
10 * * *
```

## 17- Affichage des connexion reseau en ecoute et l Alternative en a netcast

```
(bazin@Bazin) [~/Bureau/cybersec]
$ netstat -tuln
Connexions Internet actives (seulement serveurs)
Proto Recv-Q Send-Q Adresse locale Adresse distante Etat
tcp 0 0 10.0.2.15:3702 0.0.0.0:* LISTEN
tcp 0 0 239.255.255.250:3702 0.0.0.0:* LISTEN
tcp 0 0 0.0.0.0:55464 0.0.0.0:* LISTEN
tcp6 0 0 fe80::a00:27ff:feb3:702 :::* LISTEN
tcp6 0 0 ff02::c:3702 :::* LISTEN
tcp6 0 0 :::54924 :::* LISTEN

(bazin@Bazin) [~/Bureau/cybersec]
$ ss -tuln
State Recv-Q Send-Q Local Address:Port
tcp UNCONN 0 0 10.0.2.15:3702
tcp UNCONN 0 0 239.255.255.250:3702
tcp UNCONN 0 0 0.0.0.0:55464
tcp UNCONN 0 0 [fe80::a00:27ff:feb3:d200]:eth0:3702
tcp UNCONN 0 0 [ff02::c]:eth0:3702
tcp UNCONN 0 0 *:54924

(bazin@Bazin) [~/Bureau/cybersec]
```

## 18-Journal du systeme

```
(bazin@Bazin) [~/Bureau/cybersec]
$ journalctl
fév 14 14:42:19 Bazin kernel: Linux version 6.11.2-amd64 (dev@kali.org) (x86_64-linux-gnu-gcc-14 (Debian 14.2.0-6) 14.2.0, GNU ld (GNU Binutils for Debian) 2.43.1)
fév 14 14:42:19 Bazin kernel: Command line: BOOT_IMAGE=/boot/vmlinuz-6.11.2-amd64 root=UUID=d3805653-d688-4cfc-b2fc-3571560b3623 ro quiet splash
fév 14 14:42:19 Bazin kernel: BIOS-provided physical RAM map:
fév 14 14:42:19 Bazin kernel: BIOS-e820: [mem 0x0000000000000000-0x00000000000009fbff] usable
fév 14 14:42:19 Bazin kernel: BIOS-e820: [mem 0x00000000000009fc00-0x00000000000009ffff] reserved
fév 14 14:42:19 Bazin kernel: BIOS-e820: [mem 0x0000000000000f0000-0x0000000000000fffff] reserved
fév 14 14:42:19 Bazin kernel: BIOS-e820: [mem 0x0000000000100000-0x0000000000007fffff] usable
fév 14 14:42:19 Bazin kernel: BIOS-e820: [mem 0x0000000007ffff0000-0x0000000007ffffffffff] ACPI data
fév 14 14:42:19 Bazin kernel: BIOS-e820: [mem 0x00000000fec00000-0x00000000fec00fff] reserved
fév 14 14:42:19 Bazin kernel: BIOS-e820: [mem 0x00000000fee00000-0x00000000fee00fff] reserved
fév 14 14:42:19 Bazin kernel: BIOS-e820: [mem 0x00000000fffc0000-0x00000000ffffffff] reserved
fév 14 14:42:19 Bazin kernel: NX (Execute Disable) protection: active
fév 14 14:42:19 Bazin kernel: APIC: Static calls initialized
fév 14 14:42:19 Bazin kernel: SMBIOS 2.5 present.
fév 14 14:42:19 Bazin kernel: DMI: innotek GmbH VirtualBox/VirtualBox, BIOS VirtualBox 12/01/2006
fév 14 14:42:19 Bazin kernel: DMI: Memory slots populated: 0/0
fév 14 14:42:19 Bazin kernel: Hypervisor detected: KVM
fév 14 14:42:19 Bazin kernel: kvm-clock: Using msrs 4b564d01 and 4b564d00
fév 14 14:42:19 Bazin kernel: kvm-clock: using sched offset of 43122180505 cycles
fév 14 14:42:19 Bazin kernel: clocksource: kvm-clock: mask: 0xffffffffffffffff max_cycles: 0x1cd42e4dffb, max_idle_ns: 881590591483 ns
```

## 19-suivi du journal en temps reel

```
(bazin@Bazin) [~/Bureau/cybersec]
$ journalctl -f
fév 15 13:00:58 Bazin dbus-daemon[532]: [system] Successfully activated service 'org.freedesktop.hostname1'
fév 15 13:01:29 Bazin systemd[1]: systemd-hostnamed.service: Deactivated successfully.
fév 15 13:02:47 Bazin dbus-daemon[532]: [system] Activating via systemd: service name='org.freedesktop.hostname1' unit='dbus-org.freedesktop.hostname1.service' requested by PID 11266 (uid=1000 pid=112695 comm='xfce4-screenshooter --region')
fév 15 13:02:47 Bazin systemd[1]: Starting systemd-hostnamed.service - Hostname Service ...
fév 15 13:02:48 Bazin systemd[1]: Started systemd-hostnamed.service - Hostname Service.
fév 15 13:02:48 Bazin dbus-daemon[532]: [system] Successfully activated service 'org.freedesktop.hostname1'
fév 15 13:03:18 Bazin systemd[1]: systemd-hostnamed.service: Deactivated successfully.
fév 15 13:05:01 Bazin CRON[114001]: pam_unix(cron:session): session opened for user root(uid=0) by root(uid=0)
fév 15 13:05:01 Bazin CRON[114003]: (root) CMD (command -v debian-sa1 > /dev/null 66 debian-sa1 1 1)
fév 15 13:05:01 Bazin CRON[114001]: pam_unix(cron:session): session closed for user root
```

## 20-dernier demarrage du journal

```
$ journalctl -b
fév 15 12:26:10 Bazin kernel: Linux version 6.11.2-amd64 (dev@kali.org) (x86_64-linux-gnu-gcc-14 (Debian 14.2.0-6) 14.2.0, GNU ld (GNU Binutils for Debian) 2.43.1)
fév 15 12:26:10 Bazin kernel: Command line: BOOT_IMAGE=/boot/vmlinuz-6.11.2-amd64 root=UUID=d3805653-d688-4cfc-b2fc-3571560b3623 ro quiet splash
fév 15 12:26:10 Bazin kernel: BIOS-provided physical RAM map:
fév 15 12:26:10 Bazin kernel: BIOS-e820: [mem 0x0000000000000000-0x00000000000009fbff] usable
fév 15 12:26:10 Bazin kernel: BIOS-e820: [mem 0x00000000000009fc00-0x00000000000009ffff] reserved
fév 15 12:26:10 Bazin kernel: BIOS-e820: [mem 0x0000000000000f0000-0x0000000000000fffff] reserved
fév 15 12:26:10 Bazin kernel: BIOS-e820: [mem 0x0000000000100000-0x0000000000007fffff] usable
fév 15 12:26:10 Bazin kernel: BIOS-e820: [mem 0x0000000007ffff0000-0x0000000007ffffffffff] ACPI data
fév 15 12:26:10 Bazin kernel: BIOS-e820: [mem 0x00000000fec00000-0x00000000fec00fff] reserved
fév 15 12:26:10 Bazin kernel: BIOS-e820: [mem 0x00000000fee00000-0x00000000fee00fff] reserved
fév 15 12:26:10 Bazin kernel: BIOS-e820: [mem 0x00000000fffc0000-0x00000000ffffffff] reserved
fév 15 12:26:10 Bazin kernel: NX (Execute Disable) protection: active
fév 15 12:26:10 Bazin kernel: APIC: Static calls initialized
fév 15 12:26:10 Bazin kernel: SMBIOS 2.5 present.
fév 15 12:26:10 Bazin kernel: DMI: innotek GmbH VirtualBox/VirtualBox, BIOS VirtualBox 12/01/2006
fév 15 12:26:10 Bazin kernel: DMI: Memory slots populated: 0/0
fév 15 12:26:10 Bazin kernel: Hypervisor detected: KVM
fév 15 12:26:10 Bazin kernel: kvm-clock: Using msrs 4b564d01 and 4b564d00
fév 15 12:26:10 Bazin kernel: kvm-clock: using sched offset of 40854577299 cycles
fév 15 12:26:10 Bazin kernel: clocksource: kvm-clock: mask: 0xffffffffffffffff max_cycles: 0x1cd42e4dffb, max_idle_ns: 881590591483 ns
fév 15 12:26:10 Bazin kernel: tsc: Detected 1696.074 MHz processor
fév 15 12:26:10 Bazin kernel: e820: update [mem 0x00000000-0x00000fff] usable ==> reserved
fév 15 12:26:10 Bazin kernel: e820: remove [mem 0x000a0000-0x000fffff] usable
fév 15 12:26:10 Bazin kernel: last_pfn = 0x80000 max_arch_pfn = 0x400000000
fév 15 12:26:10 Bazin kernel: MTRR map: 4 entries (3 fixed + 1 variable; max 35), built from 16 variable MTRRs
fév 15 12:26:10 Bazin kernel: x86/PAT: Configuration [0-7]: WB WC UC- UC WB WP UC- WT
```

## 21- 10 lignes du dernier journal

```
(bazin@Bazin) [~/Bureau/cybersec]
$ journalctl -n 10
fév 15 13:05:24 Bazin dbus-daemon[532]: [system] Activating via systemd: service name='org.freedesktop.hostname1' unit='dbus-org.freedesktop.hostname1.service' requested by PID 11266 (uid=1000 pid=112695 comm='xfce4-screenshooter --region')
fév 15 13:05:24 Bazin systemd[1]: Starting systemd-hostnamed.service - Hostname Service ...
fév 15 13:05:25 Bazin systemd[1]: Started systemd-hostnamed.service - Hostname Service.
fév 15 13:05:25 Bazin dbus-daemon[532]: [system] Successfully activated service 'org.freedesktop.hostname1'
fév 15 13:05:56 Bazin systemd[1]: systemd-hostnamed.service: Deactivated successfully.
fév 15 13:07:46 Bazin dbus-daemon[532]: [system] Activating via systemd: service name='org.freedesktop.hostname1' unit='dbus-org.freedesktop.hostname1.service' requested by PID 11266 (uid=1000 pid=112695 comm='xfce4-screenshooter --region')
fév 15 13:07:46 Bazin systemd[1]: Starting systemd-hostnamed.service - Hostname Service ...
fév 15 13:07:47 Bazin systemd[1]: Started systemd-hostnamed.service - Hostname Service.
fév 15 13:07:47 Bazin dbus-daemon[532]: [system] Successfully activated service 'org.freedesktop.hostname1'
fév 15 13:08:17 Bazin systemd[1]: systemd-hostnamed.service: Deactivated successfully.
lines 1-10/10 (END)
```



## 22-Afficher la date actuelle

```
(bazin@Bazin)-[~/Bureau/cybersec]  
$ date  
sam 15 fév 2025 13:10:34 EST  
  
(bazin@Bazin)-[~/Bureau/cybersec]  
$
```

## 23- Gerer la date et l'heure

```
(bazin@Bazin)-[~/Bureau/cybersec]  
$ timedatectl  
Local time: sam 2025-02-15 13:11:46 EST  
Universal time: sam 2025-02-15 18:11:46 UTC  
RTC time: sam 2025-02-15 21:11:49  
Time zone: America/Port-au-Prince (EST, -0500)  
System clock synchronized: no  
NTP service: inactive  
RTC in local TZ: no
```

## 24-Affichage du nom de l'hôte

```
(bazin@Bazin)-[~/Bureau/cybersec]  
$ hostnamectl  
Static hostname: Bazin  
Icon name: computer-vm  
Chassis: vm  
Machine ID: 24e6abb8cd244f31837ae2fb9c0380e7  
Boot ID: 47b7c3c8d9894a399e4c04c971475790  
Virtualization: oracle  
Operating System: Kali GNU/Linux Rolling  
Kernel: Linux 6.11.2-amd64  
Architecture: x86-64  
Hardware Vendor: innotek GmbH  
Hardware Model: VirtualBox  
Firmware Version: VirtualBox  
Firmware Date: Fri 2006-12-01  
Firmware Age: 18y 2month 2w 2d
```

## 25-changement du nom de l'hôte

```
(bazin@Bazin)-[~/Bureau/cybersec]  
$ sudo hostnamectl set-hostname Jeune34  
sudo] Mot de passe de bazin :
```