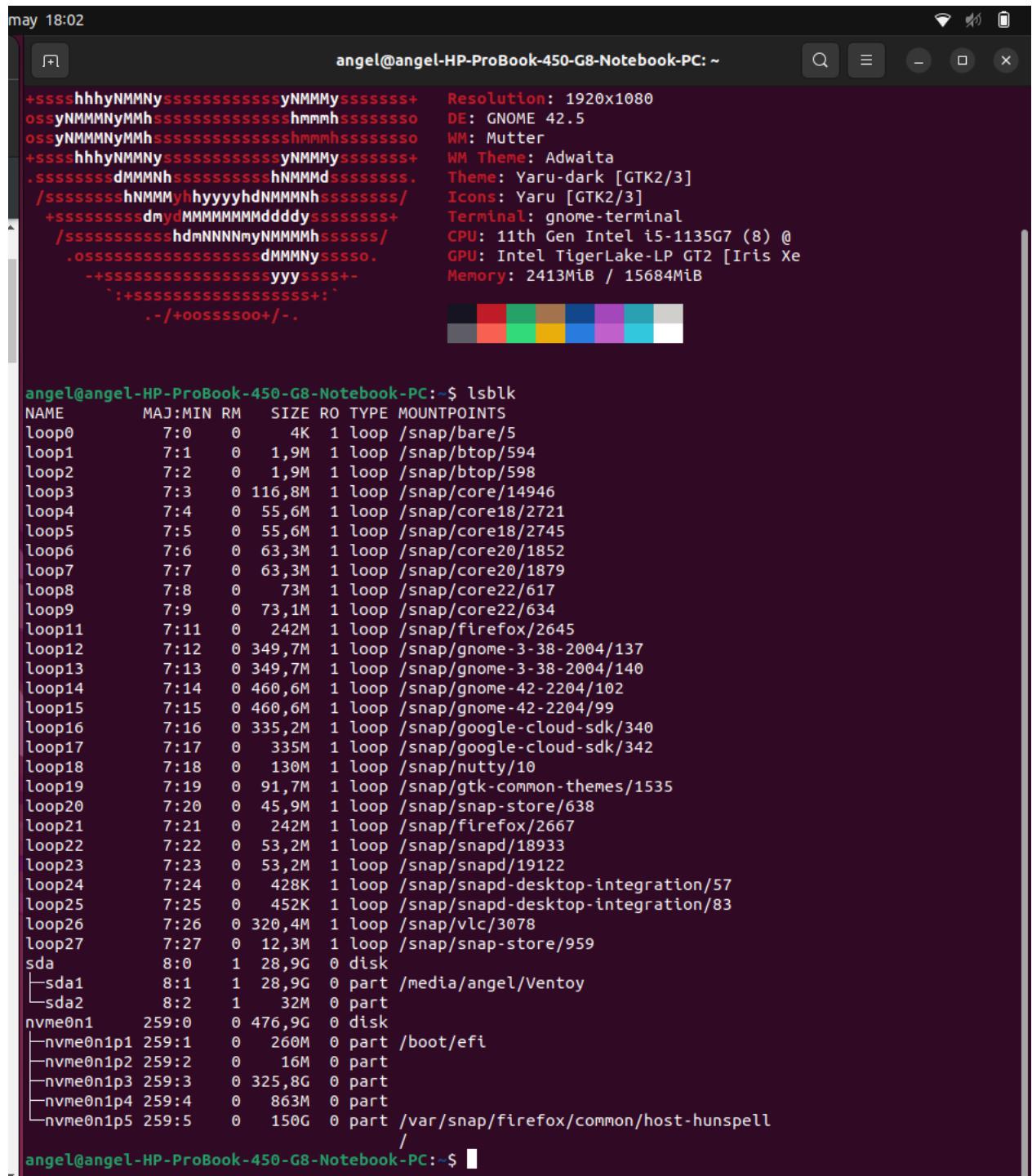


## 1º Parte, versión 1.0 de “retirar.sh”

Datos sobre la unidad USB a utilizar



The screenshot shows a terminal window with the following content:

```
may 18:02                               angel@angel-HP-ProBook-450-G8-Notebook-PC: ~
+sssshhhyNMMNyssssssssssyNMMMyssssss+   Resolution: 1920x1080
ossyNMMMNyMMhsssssssssssshmmhssssssso   DE: GNOME 42.5
ossyNMMMNyMMhssssssssssshmmhssssssso   WM: Mutter
+sssshhhyNMMNyssssssssssyNMMMyssssss+   WM Theme: Adwaita
.sssssssdMMMNhsssssssssshNMMMdssssssss.   Theme: Yaru-dark [GTK2/3]
/ssswwwNMMMyhyyyyhdNMMMNhssssssss/   Icons: Yaru [GTK2/3]
+ssssssssdmydMMMMMMMdddyssssssss+   Terminal: gnome-terminal
/ssswwwsssssdhmNNNNmyNMMMMhssssss/   CPU: 11th Gen Intel i5-1135G7 (8) @
.ossssssssssssssssssdMMMNyssssso.   GPU: Intel TigerLake-LP GT2 [Iris Xe]
-+ssssssssssssssssssysss+-   Memory: 2413MiB / 15684MiB
`:+ssssssssssssssssss+:`   . -/+oossssoo/+-.  

angel@angel-HP-ProBook-450-G8-Notebook-PC:~$ lsblk
NAME      MAJ:MIN RM    SIZE RO TYPE MOUNTPOINTS
Loop0      7:0    0     4K  1 loop /snap/bare/5
Loop1      7:1    0   1,9M  1 loop /snap/btop/594
Loop2      7:2    0   1,9M  1 loop /snap/btop/598
Loop3      7:3    0 116,8M  1 loop /snap/core/14946
Loop4      7:4    0  55,6M  1 loop /snap/core18/2721
Loop5      7:5    0  55,6M  1 loop /snap/core18/2745
Loop6      7:6    0  63,3M  1 loop /snap/core20/1852
Loop7      7:7    0  63,3M  1 loop /snap/core20/1879
Loop8      7:8    0   73M  1 loop /snap/core22/617
Loop9      7:9    0  73,1M  1 loop /snap/core22/634
Loop11     7:11   0  242M  1 loop /snap/firefox/2645
Loop12     7:12   0 349,7M  1 loop /snap/gnome-3-38-2004/137
Loop13     7:13   0 349,7M  1 loop /snap/gnome-3-38-2004/140
Loop14     7:14   0 460,6M  1 loop /snap/gnome-42-2204/102
Loop15     7:15   0 460,6M  1 loop /snap/gnome-42-2204/99
Loop16     7:16   0 335,2M  1 loop /snap/google-cloud-sdk/340
Loop17     7:17   0  335M  1 loop /snap/google-cloud-sdk/342
Loop18     7:18   0  130M  1 loop /snap/nutty/10
Loop19     7:19   0  91,7M  1 loop /snap/gtk-common-themes/1535
Loop20     7:20   0  45,9M  1 loop /snap/snap-store/638
Loop21     7:21   0  242M  1 loop /snap/firefox/2667
Loop22     7:22   0  53,2M  1 loop /snap/snapd/18933
Loop23     7:23   0  53,2M  1 loop /snap/snapd/19122
Loop24     7:24   0  428K  1 loop /snap/snapd-desktop-integration/57
Loop25     7:25   0  452K  1 loop /snap/snapd-desktop-integration/83
Loop26     7:26   0 320,4M  1 loop /snap/vlc/3078
Loop27     7:27   0  12,3M  1 loop /snap/snap-store/959
sda        8:0    1  28,9G  0 disk
└─sda1     8:1    1  28,9G  0 part /media/angel/Ventoy
  └─sda2     8:2    1   32M  0 part
nvme0n1   259:0  0 476,9G  0 disk
└─nvme0n1p1 259:1  0  260M  0 part /boot/efi
└─nvme0n1p2 259:2  0   16M  0 part
└─nvme0n1p3 259:3  0 325,8G  0 part
└─nvme0n1p4 259:4  0   863M  0 part
└─nvme0n1p5 259:5  0   150G  0 part /var/snap/firefox/common/host-hunspell
/
angel@angel-HP-ProBook-450-G8-Notebook-PC:~$
```

```
May 18:02
[+]
angel@angel-HP-ProBook-450-G8-Notebook-PC: ~
[Search] [List] [-] [Close] [X]

loop23      7:23   0  53,2M  1 loop /snap/snapd/19122
loop24      7:24   0  428K  1 loop /snap/snapd-desktop-integration/57
loop25      7:25   0  452K  1 loop /snap/snapd-desktop-integration/83
loop26      7:26   0  320,4M 1 loop /snap/vlc/3078
loop27      7:27   0  12,3M  1 loop /snap/snap-store/959
sda         8:0    1  28,9G  0 disk
└─sda1      8:1    1  28,9G  0 part /media/angel/Ventoy
└─sda2      8:2    1   32M   0 part
nvme0n1    259:0 0  476,9G 0 disk
└─nvme0n1p1 259:1 0   260M  0 part /boot/efi
└─nvme0n1p2 259:2 0   16M   0 part
└─nvme0n1p3 259:3 0  325,8G 0 part
└─nvme0n1p4 259:4 0   863M  0 part
└─nvme0n1p5 259:5 0   150G  0 part /var/snap/firefox/common/host-hunspell
/
angel@angel-HP-ProBook-450-G8-Notebook-PC:~$ udevadm info /dev/sda
P: /devices/pci0000:00/0000:00:14.0/usb4/4-2/4-2:1.0/host0/target0:0:0/0:0:0:0/block/sda
N: sda
L: 0
S: disk/by-path/pci-0000:00:14.0-usb-0:2:1.0-scsi-0:0:0:0
S: disk/by-id/usb-Kingston_DataTraveler_3.0_E0D55EA57409E430C94B0D89-0:0
E: DEVPATH=/devices/pci0000:00/0000:00:14.0/usb4/4-2/4-2:1.0/host0/target0:0:0/0:0:0:0/block/sda
E: DEVNAME=/dev/sda
E: DEVTYPE=disk
E: DISKSEQ=57
E: MAJOR=8
E: MINOR=0
E: SUBSYSTEM=block
E: USEC_INITIALIZED=19777458891
E: ID_VENDOR=Kingston
E: ID_VENDOR_ENC=Kingston
E: ID_VENDOR_ID=0951
E: ID_MODEL=DataTraveler_3.0
E: ID_MODEL_ENC=DataTraveler\x203.0
E: ID_MODEL_ID=1666
E: ID_REVISION=PMAPI
E: ID_SERIAL=Kingston_DataTraveler_3.0_E0D55EA57409E430C94B0D89-0:0
E: ID_SERIAL_SHORT=E0D55EA57409E430C94B0D89
E: ID_TYPE=disk
E: ID_INSTANCE=0:0
E: ID_BUS=usb
E: ID_USB_INTERFACES=:080650:
E: ID_USB_INTERFACE_NUM=00
E: ID_USB_DRIVER=usb-storage
E: ID_PATH=pci-0000:00:14.0-usb-0:2:1.0-scsi-0:0:0:0
E: ID_PATH_TAG=pci-0000_00_14_0-usb-0_2_1_0-scsi-0_0_0_0
E: ID_PART_TABLE_UUID=b5a68e36
E: ID_PART_TABLE_TYPE=dos
E: ID_DRIVE_THUMB=1
E: DEVLINKS=/dev/disk/by-path/pci-0000:00:14.0-usb-0:2:1.0-scsi-0:0:0:0 /dev/disk/by-id/usb-Kingston_
DataTraveler_3.0_E0D55EA57409E430C94B0D89-0:0
E: TAGS=:systemd:
E: CURRENT_TAGS=:systemd:

angel@angel-HP-ProBook-450-G8-Notebook-PC:~$
```

## Listar las interacciones con la unidad USB

```
angela@angela-HP-ProBook-450-G8-Notebook-PC:~$ udevadm monitor --environment --udev
monitor will print the received events for:
UDEV - the event which udev sends out after rule processing

UDEV [19845.102026] add      /devices/virtual/workqueue/scsi_tmf_0 (workqueue)
ACTION=add
DEVPATH=/devices/virtual/workqueue/scsi_tmf_0
SUBSYSTEM=workqueue
SEQNUM=6913
USEC_INITIALIZED=19845101800

UDEV [19845.118329] add      /devices/pci0000:00/0000:00:14.0/usb4/4-1 (usb)
ACTION=add
DEVPATH=/devices/pci0000:00/0000:00:14.0/usb4/4-1
SUBSYSTEM=usb
DEVNAME=/dev/bus/usb/004/018
DEVTYPE=usb_device
PRODUCT=951/1666/110
TYPE=0/0/0
BUSNUM=004
DEVNUM=018
SEQNUM=6913
USEC_INITIALIZED=19845105651
ID_VENDOR=Kingston
ID_VENDOR_ENC=Kingston
ID_VENDOR_ID=0951
ID_MODEL=DataTraveler_3.0
ID_MODEL_ENC=DataTraveler\x203.0
ID_MODEL_ID=1666
ID_REVISION=0110
ID_SERIAL=Kingston_DataTraveler_3.0_E0D55EA57409E430C94B0D89
ID_SERIAL_SHORT=E0D55EA57409E430C94B0D89
ID_BUS=usb
ID_USB_INTERFACES=:080650:
ID_VENDOR_FROM_DATABASE=Kingston Technology
ID_MODEL_FROM_DATABASE=DataTraveler 100 G3/G4/SE9 G2/50
ID_PATH=pci-0000:00:14.0-usb-0:1
ID_PATH_TAG=pci-0000_00_14_0-usb-0_1
DRIVER=usb
ID_FOR_SEAT=usb-pci-0000_00_14_0-usb-0_1
ID_DRIVE_THUMB=1
MAJOR=189
MINOR=401
TAGS=:seat:
CURRENT_TAGS=:seat:

UDEV [19845.120906] add      /devices/pci0000:00/0000:00:14.0/usb4/4-1/4-1:1.0 (usb)
ACTION=add
DEVPATH=/devices/pci0000:00/0000:00:14.0/usb4/4-1/4-1:1.0
SUBSYSTEM=usb
DEVTYPE=usb_interface
PRODUCT=951/1666/110
TYPE=0/0/0
INTERFACE=8/6/80
MODALIAS=usb:v0951d1666d0110dc00dsc00dn00ic08isc06id50in00
```

## Creando el archivo retirar.sh

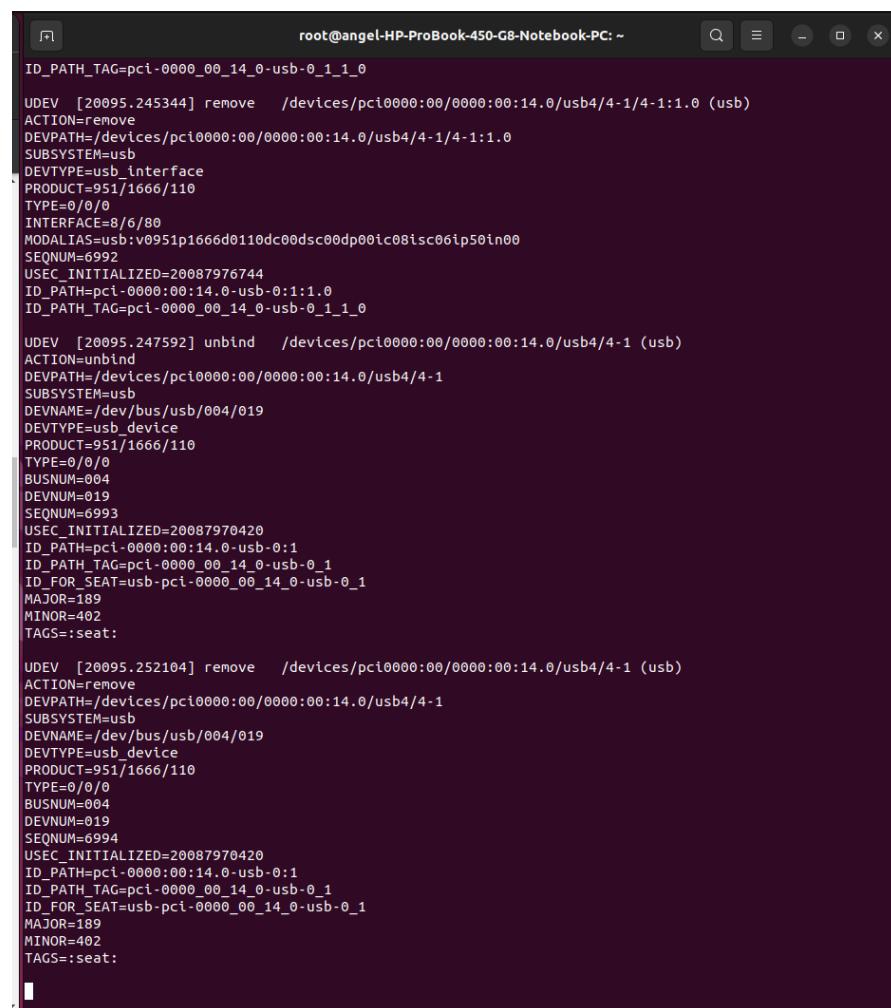
```
angela@angela-HP-ProBook-450-G8-Notebook-PC:~$ sudo su
[sudo] contraseña para angela:
root@angela-HP-ProBook-450-G8-Notebook-PC:/home/angela# cd
root@angela-HP-ProBook-450-G8-Notebook-PC:~# ls
snap
root@angela-HP-ProBook-450-G8-Notebook-PC:~# touch retirar.sh
root@angela-HP-ProBook-450-G8-Notebook-PC:~# touch.txt
touch.txt: orden no encontrada
root@angela-HP-ProBook-450-G8-Notebook-PC:~# touch log.txt
root@angela-HP-ProBook-450-G8-Notebook-PC:~# nano retirar.sh
root@angela-HP-ProBook-450-G8-Notebook-PC:~# cat retirar.sh
#!/bin/bash
echo RETIRADO >> /root/log.txt
date >> /root/z.txt
echo " " >> /root/log.txt
root@angela-HP-ProBook-450-G8-Notebook-PC:~#
```

## Definiendo el archivo rules

```
angel@angel-HP-ProBook-450-G8-Notebook-PC:~$ sudo su
[sudo] contraseña para angel:
root@angel-HP-ProBook-450-G8-Notebook-PC:/home/angel# cd
root@angel-HP-ProBook-450-G8-Notebook-PC:~# ls
snap
root@angel-HP-ProBook-450-G8-Notebook-PC:~# touch retirar.sh
root@angel-HP-ProBook-450-G8-Notebook-PC:~# touch.txt
touch.txt: orden no encontrada
root@angel-HP-ProBook-450-G8-Notebook-PC:~# touch log.txt
root@angel-HP-ProBook-450-G8-Notebook-PC:~# nano retirar.sh
root@angel-HP-ProBook-450-G8-Notebook-PC:~# cat retirar.sh
#!/bin/bash
echo RETIRADO >> /root/log.txt
date >> /root/z.txt
echo " " >> /root/log.txt
root@angel-HP-ProBook-450-G8-Notebook-PC:~# cat << EOF | sudo tee /etc/udev/rules.d/busKill.rules
ACTION=="unbind", SUBSYSTEM=="usb", RUN+="/root/retirar.sh"
EOF
ACTION=="unbind", SUBSYSTEM=="usb", RUN+="/root/retirar.sh"
root@angel-HP-ProBook-450-G8-Notebook-PC:~#
```

```
root@angel-HP-ProBook-450-G8-Notebook-PC:~# sudo udevadm control --reload-control:
unrecognized option '--reload'
root@angel-HP-ProBook-450-G8-Notebook-PC:~# sudo udevadm control --reload
root@angel-HP-ProBook-450-G8-Notebook-PC:~#
```

```
root@angel-HP-ProBook-450-G8-Notebook-PC:~# sudo udevadm control --reload
root@angel-HP-ProBook-450-G8-Notebook-PC:~# cat /etc/udev/rules.d/busKill.rules
ACTION=="unbind", SUBSYSTEM=="usb", RUN+="/root/retirar.sh"
root@angel-HP-ProBook-450-G8-Notebook-PC:~#
```



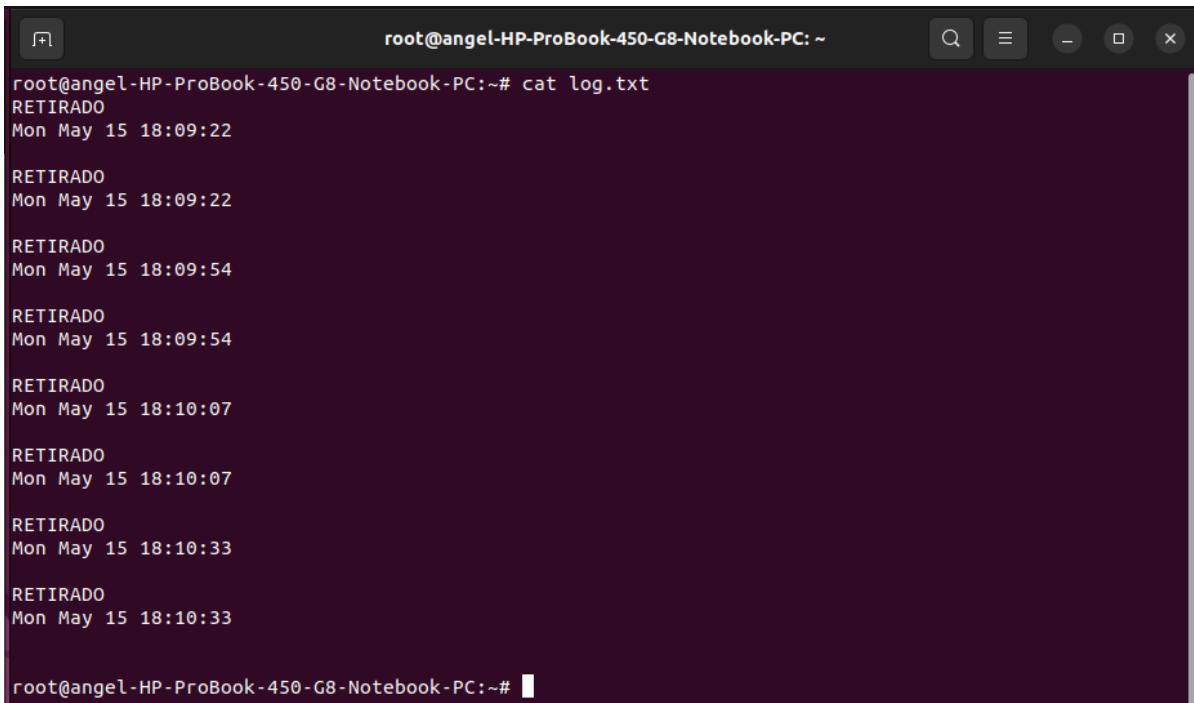
```
root@angel-HP-ProBook-450-G8-Notebook-PC: ~
ID_PATH_TAG=pci-0000_00_14_0-usb-0_1_1_0

UDEV [2095.245344] remove    /devices/pci0000:00/0000:00:14.0/usb4/4-1/4-1:1.0 (usb)
ACTION=remove
DEVPATH=/devices/pci0000:00/0000:00:14.0/usb4/4-1/4-1:1.0
SUBSYSTEM=usb
DEVTYPE=usb_interface
PRODUCT=951/1666/110
TYPE=0/0/0
INTERFACE=8/6/80
MODALIAS=usb:v0951p1666d0110dc00dsc00dp00ic08isc06ip50in00
SEQNUM=6992
USEC_INITIALIZED=20087976744
ID_PATH=pci-0000:00:14.0-usb-0:1:1.0
ID_PATH_TAG=pci-0000_00_14_0-usb-0_1_1_0

UDEV [2095.247592] unbind   /devices/pci0000:00/0000:00:14.0/usb4/4-1 (usb)
ACTION=unbind
DEVPATH=/devices/pci0000:00/0000:00:14.0/usb4/4-1
SUBSYSTEM=usb
DEVNAME=/dev/bus/usb/004/019
DEVTYPE=usb_device
PRODUCT=951/1666/110
TYPE=0/0/0
BUSNUM=004
DEVNUM=019
SEQNUM=6993
USEC_INITIALIZED=20087970420
ID_PATH=pci-0000:00:14.0-usb-0:1
ID_PATH_TAG=pci-0000_00_14_0-usb-0_1
ID_FOR_SEAT=usb-pci-0000_00_14_0-usb-0_1
MAJOR=189
MINOR=402
TAGS=:seat:

UDEV [20095.252104] remove   /devices/pci0000:00/0000:00:14.0/usb4/4-1 (usb)
ACTION=remove
DEVPATH=/devices/pci0000:00/0000:00:14.0/usb4/4-1
SUBSYSTEM=usb
DEVNAME=/dev/bus/usb/004/019
DEVTYPE=usb_device
PRODUCT=951/1666/110
TYPE=0/0/0
BUSNUM=004
DEVNUM=019
SEQNUM=6994
USEC_INITIALIZED=20087970420
ID_PATH=pci-0000:00:14.0-usb-0:1
ID_PATH_TAG=pci-0000_00_14_0-usb-0_1
ID_FOR_SEAT=usb-pci-0000_00_14_0-usb-0_1
MAJOR=189
MINOR=402
TAGS=:seat:
```

## Obtención del listado de desconexiones del USB



The screenshot shows a terminal window with a dark background and light-colored text. The title bar indicates the session is running as root on an HP ProBook 450 G8 Notebook PC. The command entered was 'cat log.txt', which displays a log of USB disconnections. The log entries show the word 'RETIRADO' followed by the date and time of each disconnection, all occurring on Monday, May 15, between 18:09:22 and 18:10:33.

```
root@angel-HP-ProBook-450-G8-Notebook-PC:~# cat log.txt
RETIRADO
Mon May 15 18:09:22
RETIRADO
Mon May 15 18:09:22
RETIRADO
Mon May 15 18:09:54
RETIRADO
Mon May 15 18:09:54
RETIRADO
Mon May 15 18:10:07
RETIRADO
Mon May 15 18:10:07
RETIRADO
Mon May 15 18:10:33
RETIRADO
Mon May 15 18:10:33

root@angel-HP-ProBook-450-G8-Notebook-PC:~#
```

## 2º Parte, versión 2.0 de “retirar.sh” e “insertar.sh”

Obtención de detalles de mi USB

```
root@angel-HP-ProBook-450-G8-Notebook-PC: ~
/pci-0000:00:14.0-usb-0:1:1.0-scsi-0:0:0:0
TAGS=:systemd:
CURRENT_TAGS=:systemd:

UDEV [20499.783481] add      /devices/pci0000:00/0000:00:14.0/usb4/4-1/4-1:1.0/host0/target0:0:0:0:0
:0:0/block/sda/sda2 (block)
ACTION=add
DEVPATH=/devices/pci0000:00/0000:00:14.0/usb4/4-1/4-1:1.0/host0/target0:0:0:0:0/block/sda/sda2
SUBSYSTEM=block
DEVNAME=/dev/sda2
DEVTYPE=partition
DISKSEQ=62
PARTN=2
SEQNUM=7104
USEC_INITIALIZED=20499780179
ID_VENDOR=Kingston
ID_VENDOR_ENC=Kingston
ID_VENDOR_ID=0951
ID_MODEL=DataTraveler_3.0
ID_MODEL_ENC=DataTraveler\x203.0
ID_MODEL_ID=1666
ID_REVISION=PMAP
ID_SERIAL=Kingston_DataTraveler_3.0_E0D55EA57409E430C94B0D89-0:0
ID_SERIAL_SHORT=E0D55EA57409E430C94B0D89
ID_TYPE=disk
ID_INSTANCE=0:0
ID_BUS=usb
ID_USB_INTERFACES=:080650:
ID_USB_INTERFACE_NUM=00
ID_USB_DRIVER=usb-storage
ID_PATH=pci-0000:00:14.0-usb-0:1:1.0-scsi-0:0:0:0
ID_PATH_TAG=pci-0000_00_14_0-usb-0_1_1_0-scsi-0_0_0
ID_PART_TABLE_UUID=b5a68e36
ID_PART_TABLE_TYPE=dos
ID_DRIVE_THUMB=1
ID_FS_LABEL=VTOYEFI
ID_FS_LABEL_ENC=VTOYEFI
ID_FS_UUID=ADC2-5F11
ID_FS_UUID_ENC=ADC2-5F11
ID_FS_VERSION=FAT16
ID_FS_TYPE=vfat
ID_FS_USAGE=filesystem
ID_PART_ENTRY_SCHEME=dos
ID_PART_ENTRY_UUID=b5a68e36-02
ID_PART_ENTRY_TYPE=0xef
ID_PART_ENTRY_NUMBER=2
ID_PART_ENTRY_OFFSET=60538880
ID_PART_ENTRY_SIZE=65536
ID_PART_ENTRY_DISK=8:0
ID_FS_TYPE_NEW=vfat
UDISKS_IGNORE=1
MAJOR=8
MINOR=2
DEVLINKS=/dev/disk/by-uuid/ADC2-5F11 /dev/disk/by-partuuid/b5a68e36-02 /dev/disk/by-id/usb-Kingston_D
ataTraveler_3.0_E0D55EA57409E430C94B0D89-0:0-part2 /dev/disk/by-label/VTOYEFI /dev/disk/by-path/pci-0
:0:0:14_0-usb_0:1:1_0-scsi_0:0:0:0-part2
```

## Creación de una nueva regla

```
root@angel-HP-ProBook-450-G8-Notebook-PC: ~
```

```
ID_PART_ENTRY_OFFSET=2048
ID_PART_ENTRY_SIZE=60536832
ID_PART_ENTRY_DISK=8:0
.ID_FS_TYPE_NEW=exfat
MAJOR=8
MINOR=1
DEVLINKS=/dev/disk/by-id/usb-Kingston_DataTraveler_3.0_E0D55EA57409E430C94B0D89-0:0-part1 /dev/disk/by-label/Ventoy /dev/disk/by-path/pci-0000:00:14.0-usb-0:1:1.0-scsi-0:0:0:0-part1 /dev/disk/by-partuuid/b5a68e36-01 /dev/disk/by-uuid/4E21-0000
TAGS=:systemd:
CURRENT_TAGS=:systemd:

UDEV [20509.079490] change /devices/LNXSYSTM:00/LNFSYBUS:00/PNP0C0A:00/power_supply/BAT0 (power_supply)
ACTION=change
DEVPATH=/devices/LNXSYSTM:00/LNFSYBUS:00/PNP0C0A:00/power_supply/BAT0
SUBSYSTEM=power_supply
POWER_SUPPLY_NAME=BAT0
POWER_SUPPLY_TYPE=Battery
POWER_SUPPLY_STATUS=Discharging
POWER_SUPPLY_PRESENT=1
POWER_SUPPLY_TECHNOLOGY=Li-ion
POWER_SUPPLY_CYCLE_COUNT=432
POWER_SUPPLY_VOLTAGE_MIN_DESIGN=11400000
POWER_SUPPLY_VOLTAGE_NOW=12079000
POWER_SUPPLY_CURRENT_NOW=549000
POWER_SUPPLY_CHARGE_FULL_DESIGN=3950000
POWER_SUPPLY_CHARGE_FULL=2288000
POWER_SUPPLY_CHARGE_NOW=2130000
POWER_SUPPLY_CAPACITY=93
POWER_SUPPLY_CAPACITY_LEVEL=Normal
POWER_SUPPLY_MODEL_NAME=Primary
POWER_SUPPLY_MANUFACTURER=Hewlett-Packard
POWER_SUPPLY_SERIAL_NUMBER=21753 2021/04/02
SEQNUM=7107
USEC_INITIALIZED=20509079278

UDEV [20509.084819] change /devices/virtual/thermal/thermal_zone9 (thermal)
ACTION=change
DEVPATH=/devices/virtual/thermal/thermal_zone9
SUBSYSTEM=thermal
NAME=INT3400 Thermal
TEMP=20000
TRIP=
EVENT=6
SEQNUM=7108
USEC_INITIALIZED=20509084732

^Z
[3]+  Detenido                  udevadm monitor --environment --udev
root@angel-HP-ProBook-450-G8-Notebook-PC:~# cat << EOF | sudo tee /etc/udev/rules.d/busKill.rules
ACTION=="unbind", SUBSYSTEM=="usb", ENV{ID_MODEL}=="DataTraveler_3.0" RUN+="/root/retirar.sh"
EOF
ACTION=="unbind", SUBSYSTEM=="usb", ENV{ID_MODEL}=="DataTraveler_3.0" RUN+="/root/retirar.sh"
root@angel-HP-ProBook-450-G8-Notebook-PC:~#
```

```
ACTION=="unbind", SUBSYSTEM=="usb", ENV{ID_MODEL}=="DataTraveler_3.0" RUN+="/root/retirar.sh"
root@angel-HP-ProBook-450-G8-Notebook-PC:~# sudo udevadm control --reload
root@angel-HP-ProBook-450-G8-Notebook-PC:~#
```

[+]

root@angel-HP-ProBook-450-G8-Notebook-PC: ~

```
GNU nano 6.2          /etc/udev/rules.d/busKill.rules
ACTION=="unbind", SUBSYSTEM=="usb", ENV{ID_MODEL}=="DataTraveler_3.0" RUN+="/root/retirar.sh"
ACTION=="add",   SUBSYSTEM=="usb", ENV{ID_MODEL}=="DataTraveler_3.0" RUN+="/root/insertar.sh"
```

[ 3 líneas escritas ]

^G Ayuda ^O Guardar ^W Buscar ^K Cortar ^T Ejecutar ^C Ubicación M-U Deshacer  
^X Salir ^R Leer fich. ^V Reemplazar ^U Pegar ^J Justificar ^/ Ir a línea M-E Rehacer

Creación del script de INSERTADO (Esta foto es previa a una modificación de “z.txt” por “log.txt”)

```
GNU nano 6.2                                     insertar.sh *
#!/bin/bash
echo INSERTADO >> /root/log.txt
date >> /root/z.txt
echo " " >> /root/log.txt

^G Ayuda      ^O Guardar      ^W Buscar      ^K Cortar      ^T Ejecutar      ^C Ubicación  M-U Deshacer
^X Salir      ^R Leer fich.  ^A Reemplazar  ^U Pegar       ^J Justificar  ^/ Ir a linea M-E Rehacer
```

```
root@angel-HP-ProBook-450-G8-Notebook-PC:~# sudo udevadm control --reload
root@angel-HP-ProBook-450-G8-Notebook-PC:~# ls
log.txt retirar.sh snap
root@angel-HP-ProBook-450-G8-Notebook-PC:~# touch insertar.sh
root@angel-HP-ProBook-450-G8-Notebook-PC:~# nano /etc/udev/rules.d/busKill.rules
root@angel-HP-ProBook-450-G8-Notebook-PC:~# nano insertar.sh
root@angel-HP-ProBook-450-G8-Notebook-PC:~# sudo udevadm control --reload
root@angel-HP-ProBook-450-G8-Notebook-PC:~#
```

```
root@angel-HP-ProBook-450-G8-Notebook-PC: ~
SEQNUM=7089
USEC_INITIALIZED=20498572978

UDEV [20498.589162] add      /devices/pci0000:00/0000:00:14.0/usb4/4-1 (usb)
ACTION=add
DEVPATH=/devices/pci0000:00/0000:00:14.0/usb4/4-1
SUBSYSTEM=usb
DEVNAME=/dev/bus/usb/004/022
DEVTYPE=usb_device
PRODUCT=951/1666/110
TYPE=0/0/0
BUSNUM=004
DEVNUM=022
SEQNUM=7088
USEC_INITIALIZED=20498576878
ID_VENDOR=Kingston
ID_VENDOR_ENC=Kingston
ID_VENDOR_ID=0951
ID_MODEL=DataTraveler_3.0
ID_MODEL_ENC=DataTraveler\x203.0
ID_MODEL_ID=1666
ID_REVISION=0110
ID_SERIAL=Kingston_DataTraveler_3.0_E0D55EA57409E430C94B0D89
ID_SERIAL_SHORT=E0D55EA57409E430C94B0D89
ID_BUS=usb
ID_USB_INTERFACES=:080650:
ID_VENDOR_FROM_DATABASE=Kingston Technology
ID_MODEL_FROM_DATABASE=DataTraveler 100 G3/G4/SE9 G2/50
ID_PATH=pci-0000:00:14.0-usb-0:1
ID_PATH_TAG=pci-0000_00_14_0-usb-0_1
DRIVER=usb
ID_FOR_SEAT=usb-pci-0000_00_14_0-usb-0_1
ID_DRIVE_THUMB=1
MAJOR=189
MINOR=405
TAGS=:seat:
CURRENT_TAGS=:seat:

UDEV [20498.592195] add      /devices/pci0000:00/0000:00:14.0/usb4/4-1/4-1:1.0 (usb)
ACTION=add
DEVPATH=/devices/pci0000:00/0000:00:14.0/usb4/4-1/4-1:1.0
SUBSYSTEM=usb
DEVTYPE=usb_interface
PRODUCT=951/1666/110
TYPE=0/0/0
INTERFACE=8/6/80
MODALIAS=usb:v0951p1666d0110dc00dsc00dp00ic08isc06ip50in00
SEQNUM=7089
USEC_INITIALIZED=20498591851
ID_VENDOR_FROM_DATABASE=Kingston Technology
ID_MODEL_FROM_DATABASE=DataTraveler 100 G3/G4/SE9 G2/50
ID_PATH=pci-0000:00:14.0-usb-0:1:1.0
ID_PATH_TAG=pci-0000_00_14_0-usb-0_1_1_0
DRIVER=usb-storage

UDEV [20498.594224] add      /devices/pci0000:00/0000:00:14.0/usb4/4-1/4-1:1.0/host0 (scsi)
ACTION=add
```

## Obtención de resultados

```
root@angel-HP-ProBook-450-G8-Notebook-PC: ~
SEQNUM=7218
USEC_INITIALIZED=20932065213

UDEV [20932.075048] change /devices/virtual/thermal/thermal_zone9 (thermal)
ACTION=change
DEVPATH=/devices/virtual/thermal/thermal_zone9
SUBSYSTEM=thermal
NAME=INT3400 Thermal
TEMP=20000
TRIP=
EVENT=6
SEQNUM=7219
USEC_INITIALIZED=20932074847

^Z
[4]+ Detenido udevadm monitor --environment --udev
root@angel-HP-ProBook-450-G8-Notebook-PC:~# cat log.txt
RETIRADO
Mon May 15 18:09:22

RETIRADO
Mon May 15 18:09:22

RETIRADO
Mon May 15 18:09:54

RETIRADO
Mon May 15 18:09:54

RETIRADO
Mon May 15 18:10:07

RETIRADO
Mon May 15 18:10:07

RETIRADO
Mon May 15 18:10:33

RETIRADO
Mon May 15 18:10:33

INSERTADO
Mon May 15 18:25:21

INSERTADO
Mon May 15 18:25:21

RETIRADO
Mon May 15 18:25:34

RETIRADO
Mon May 15 18:25:34
root@angel-HP-ProBook-450-G8-Notebook-PC:~#
```