Nombre: Jennifer Guerra

1. Parted -l : realiza una lista de particiones y también se muestra las partition table

   MSDOS que es lo mismo que MBR y GPT

Para ingresar se debe poner sudo pero para esto tiene que ingresar por root.

2. fdisk -l: sirve para obtener más información

3. Disklabel type :gpt

Debido a que no se encontró Disklabel se utilizó sudo parted /dev/sdX print para para

mostrar la tabla de particiones del disco especificado.

4. Gdisk /dev/sdb: se utiliza para crear, modificar y gestionar tablas de particiones

en discos

```
root@Debiano:~# gdisk /dev/sdb
GPT fdisk (gdisk) version 1.0.9

Problem opening /dev/sdb for reading! Error is 2.
The specified file does not exist!
root@Debiano:~# gdisk /dev/sda
GPT fdisk (gdisk) version 1.0.9

Partition table scan:
  MBR: MBR only
  BSD: not present
  APM: not present
  GPT: not present


****************************************************************
Found invalid GPT and valid MBR; converting MBR to GPT format
in memory. THIS OPERATION IS POTENTIALLY DESTRUCTIVE! Exit by
typing 'q' if you don't want to convert your MBR partitions
to GPT format!
****************************************************************


Command (? for help):
```
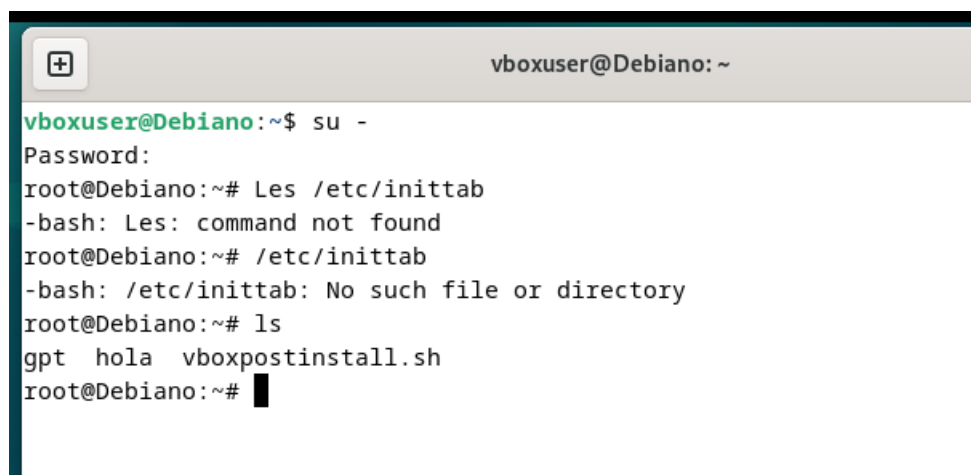
5. Les /etc/inittab: No existe en Linux, sin embargo se puede ingresar a etc con cd/

etc

```
vboxuser@Debiano:~$ su -
Password:
root@Debiano:~# Les /etc/inittab
-bash: Les: command not found
root@Debiano:~# /etc/inittab
-bash: /etc/inittab: No such file or directory
root@Debiano:~# ls
gpt  hola  vboxpostinstall.sh
root@Debiano:~#
```

5. ls -ld rc* entrar y mostrar que hacen los directorios

```
root@Debiano:/etc# ls -ld rc*
drwxr-xr-x 2 root root 4096 Jun  3 18:59 rc0.d
drwxr-xr-x 2 root root 4096 Jun  3 18:59 rc1.d
drwxr-xr-x 2 root root 4096 Jun  3 18:59 rc2.d
drwxr-xr-x 2 root root 4096 Jun  3 18:59 rc3.d
drwxr-xr-x 2 root root 4096 Jun  3 18:59 rc4.d
drwxr-xr-x 2 root root 4096 Jun  3 18:59 rc5.d
drwxr-xr-x 2 root root 4096 Jun  3 18:59 rc6.d
drwxr-xr-x 2 root root 4096 Jun  3 18:59 rcS.d
root@Debiano:/etc#
```
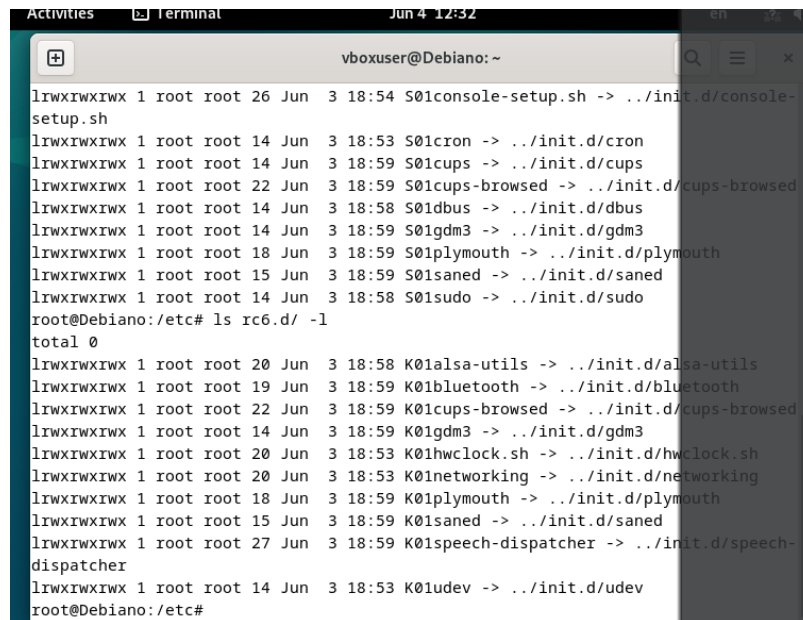
6. ls rc0.d/ -l: apaga el sistema

```
root@Debiano:/etc# ls rc0.d/ -l
total 0
lrwxrwxrwx 1 root root 20 Jun  3 18:58 K01alsa-utils -> ../init.d/alsa-utils
lrwxrwxrwx 1 root root 19 Jun  3 18:59 K01bluetooth -> ../init.d/bluetooth
lrwxrwxrwx 1 root root 22 Jun  3 18:59 K01cups-browsed -> ../init.d/cups-browsed
lrwxrwxrwx 1 root root 14 Jun  3 18:59 K01gdm3 -> ../init.d/gdm3
lrwxrwxrwx 1 root root 20 Jun  3 18:53 K01hwclock.sh -> ../init.d/hwclock.sh
lrwxrwxrwx 1 root root 20 Jun  3 18:53 K01networking -> ../init.d/networking
lrwxrwxrwx 1 root root 18 Jun  3 18:59 K01plymouth -> ../init.d/plymouth
lrwxrwxrwx 1 root root 15 Jun  3 18:59 K01saned -> ../init.d/saned
lrwxrwxrwx 1 root root 27 Jun  3 18:59 K01speech-dispatcher -> ../init.d/speech-
dispatcher
lrwxrwxrwx 1 root root 14 Jun  3 18:53 K01udev -> ../init.d/udev
root@Debiano:/etc#
```

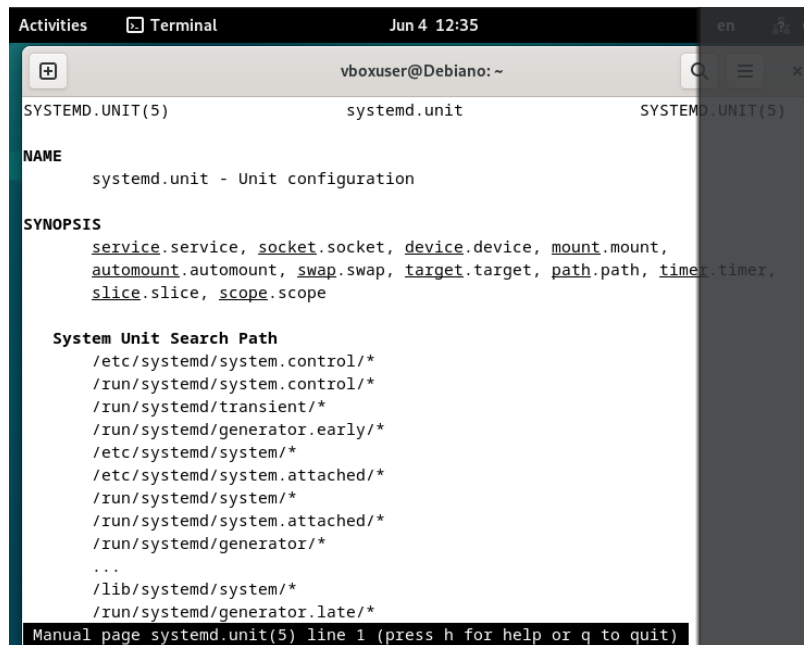7. Inicia el sistema por default, con procesos que empiezan con S y según el orden

```
root@Debiano:/etc# ls rc2.d/ -l
total 0
lrwxrwxrwx 1 root root 27 Jun  3 18:59 K01speech-dispatcher -> ../init.d/speech-
dispatcher
lrwxrwxrwx 1 root root 17 Jun  3 18:58 S01anacron -> ../init.d/anacron
lrwxrwxrwx 1 root root 19 Jun  3 18:59 S01bluetooth -> ../init.d/bluetooth
lrwxrwxrwx 1 root root 26 Jun  3 18:54 S01console-setup.sh -> ../init.d/console-
setup.sh
lrwxrwxrwx 1 root root 14 Jun  3 18:53 S01cron -> ../init.d/cron
lrwxrwxrwx 1 root root 14 Jun  3 18:59 S01cups -> ../init.d/cups
lrwxrwxrwx 1 root root 22 Jun  3 18:59 S01cups-browsed -> ../init.d/cups-browsed
lrwxrwxrwx 1 root root 14 Jun  3 18:58 S01dbus -> ../init.d/dbus
lrwxrwxrwx 1 root root 14 Jun  3 18:59 S01gdm3 -> ../init.d/gdm3
lrwxrwxrwx 1 root root 18 Jun  3 18:59 S01plymouth -> ../init.d/plymouth
lrwxrwxrwx 1 root root 15 Jun  3 18:59 S01saned -> ../init.d/saned
lrwxrwxrwx 1 root root 14 Jun  3 18:58 S01sudo -> ../init.d/sudo
root@Debiano:/etc#
```

8. Ls rc.d/ -l


```
lrwxrwxrwx 1 root root 26 Jun  3 18:54 S01console-setup.sh -> ../init.d/console-
setup.sh
lrwxrwxrwx 1 root root 14 Jun  3 18:53 S01cron -> ../init.d/cron
lrwxrwxrwx 1 root root 14 Jun  3 18:59 S01cups -> ../init.d/cups
lrwxrwxrwx 1 root root 22 Jun  3 18:59 S01cups-browsed -> ../init.d/cups-browsed
lrwxrwxrwx 1 root root 14 Jun  3 18:58 S01dbus -> ../init.d/dbus
lrwxrwxrwx 1 root root 14 Jun  3 18:59 S01gdm3 -> ../init.d/gdm3
lrwxrwxrwx 1 root root 18 Jun  3 18:59 S01plymouth -> ../init.d/plymouth
lrwxrwxrwx 1 root root 15 Jun  3 18:59 S01saned -> ../init.d/saned
lrwxrwxrwx 1 root root 14 Jun  3 18:58 S01sudo -> ../init.d/sudo
root@Debiano:/etc# ls rc6.d/ -l
total 0
lrwxrwxrwx 1 root root 20 Jun  3 18:58 K01alsa-utils -> ../init.d/alsa-utils
lrwxrwxrwx 1 root root 19 Jun  3 18:59 K01bluetooth -> ../init.d/bluetooth
lrwxrwxrwx 1 root root 22 Jun  3 18:59 K01cups-browsed -> ../init.d/cups-browsed
lrwxrwxrwx 1 root root 14 Jun  3 18:59 K01gdm3 -> ../init.d/gdm3
lrwxrwxrwx 1 root root 20 Jun  3 18:53 K01hwclock.sh -> ../init.d/hwclock.sh
lrwxrwxrwx 1 root root 20 Jun  3 18:53 K01networking -> ../init.d/networking
lrwxrwxrwx 1 root root 18 Jun  3 18:59 K01plymouth -> ../init.d/plymouth
lrwxrwxrwx 1 root root 15 Jun  3 18:59 K01saned -> ../init.d/saned
lrwxrwxrwx 1 root root 27 Jun  3 18:59 K01speech-dispatcher -> ../init.d/speech-
dispatcher
lrwxrwxrwx 1 root root 14 Jun  3 18:53 K01udev -> ../init.d/udev
root@Debiano:/etc#
```

9. man systemd.unit : para tener información de las unidades


```
SYSTEMD.UNIT(5)                   systemd.unit                   SYSTEMD.UNIT(5)

NAME
       systemd.unit - Unit configuration

SYNOPSIS
       service.service, socket.socket, device.device, mount.mount,
       automount.automount, swap.swap, target.target, path.path, timer.timer,
       slice.slice, scope.scope

   System Unit Search Path
       /etc/systemd/system.control/*
       /run/systemd/system.control/*
       /run/systemd/transient/*
       /run/systemd/generator.early/*
       /etc/systemd/system/*
       /etc/systemd/system.attached/*
       /run/systemd/system/*
       /run/systemd/system.attached/*
       /run/systemd/generator/*
       ...
       /lib/systemd/system/*
       /run/systemd/generator.late/*
Manual page systemd.unit(5) line 1 (press h for help or q to quit)
```
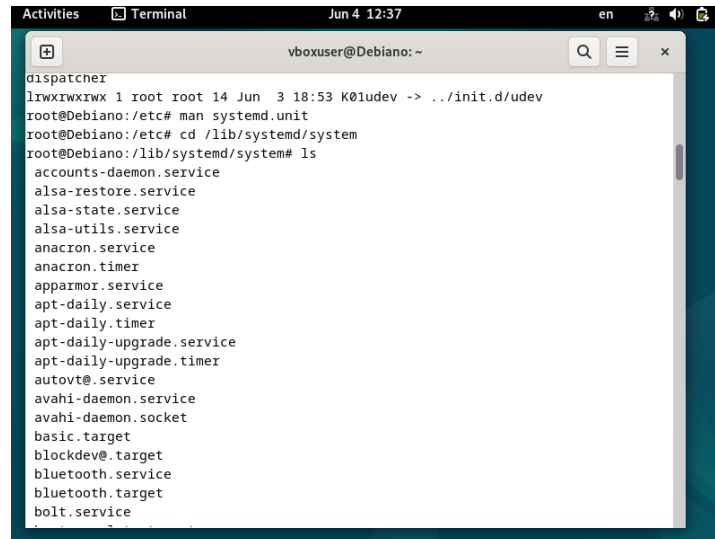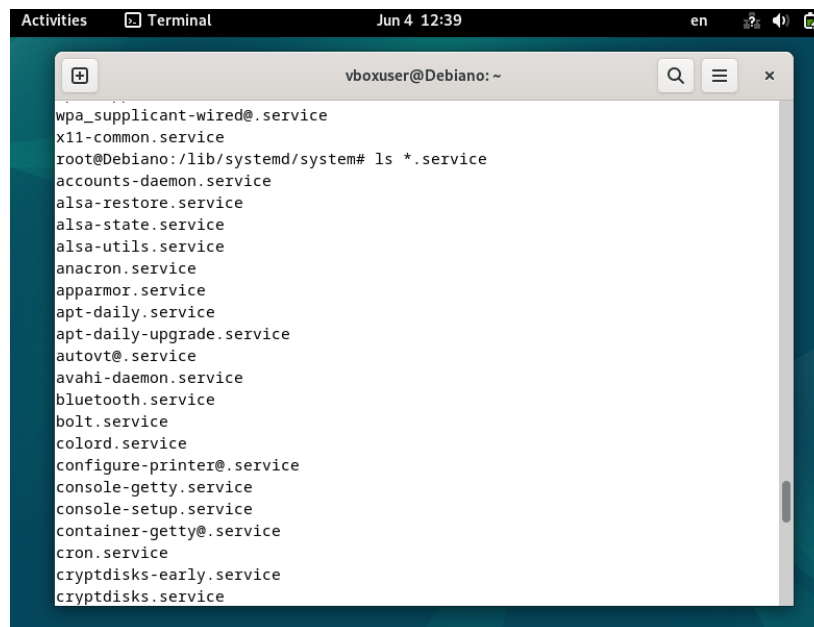
10. cd /lib/systemd/system

ls : Para mostrar unidades y directorios

11. -ls *.service: para mostrar los servicios

12. Cat nfs-server.service no se encontró, a pesar de tratar de localizarlo, además no

se pudo empezar.

```
udev.service
udisks2.service
upower.service
usb_modeswitch@.service
usbmuxd.service
user-runtime-dir@.service
user@.service
wacom-inputattach@.service
wpa_supplicant-nl80211@.service
wpa_supplicant.service
wpa_supplicant@.service
wpa_supplicant-wired@.service
x11-common.service
root@Debiano:/lib/systemd/system# cat nfs-server.service
cat: nfs-server.service: No such file or directory
root@Debiano:/lib/systemd/system# sudo find/ -name "nfs-server.service"
sudo: find/: command not found
root@Debiano:/lib/systemd/system# locate nfs-server.service
-bash: locate: command not found
root@Debiano:/lib/systemd/system# sudo systemctl start nfs-kernel-server
Failed to start nfs-kernel-server.service: Unit nfs-kernel-server.service not
 found.
```

13. Cat multi-user.target ver que procesos a esa la unida multi-user.target

```
root@Debiano:/lib/systemd/system# cat multi-user.target
#  SPDX-License-Identifier: LGPL-2.1-or-later
#
#  This file is part of systemd.
#
#  systemd is free software; you can redistribute it and/or modify it
#  under the terms of the GNU Lesser General Public License as published by
#  the Free Software Foundation; either version 2.1 of the License, or
#  (at your option) any later version.

[Unit]
Description=Multi-User System
Documentation=man:systemd.special(7)
Requires=basic.target
Conflicts=rescue.service rescue.target
After=basic.target rescue.service rescue.target
AllowIsolate=yes
root@Debiano:/lib/systemd/system#
```

14. cd /etc/systemd/system

ls

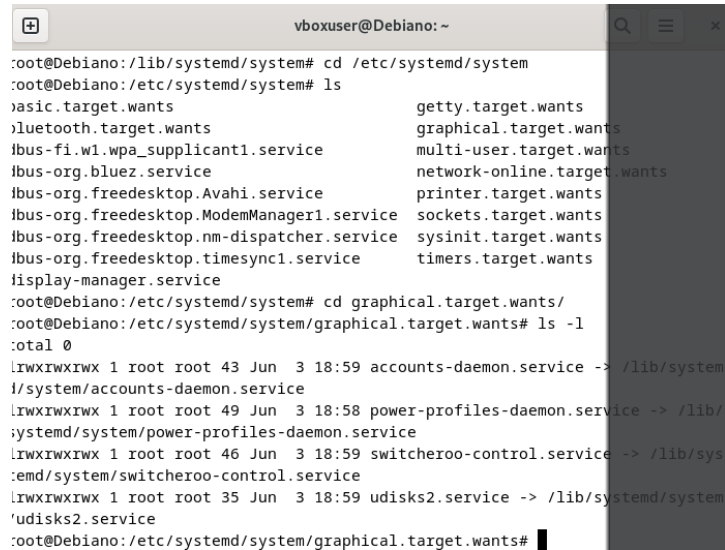muestra que es lo que quieren (.wants) los service

```
64 NETINST with firmware 20240210-11:27] bookworm Release' does not have a Re
lease file.
N: Updating from such a repository can't be done securely, and is therefore d
isabled by default.
N: See apt-secure(8) manpage for repository creation and user configuration d
etails.
root@Debiano:/lib/systemd/system# sudo apt install nefs-kernel-server
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
E: Unable to locate package nefs-kernel-server
root@Debiano:/lib/systemd/system# cd /etc/systemd/system
root@Debiano:/etc/systemd/system# ls
basic.target.wants              getty.target.wants
bluetooth.target.wants          graphical.target.wants
dbus-fi.w1.wpa_supplicant1.service    multi-user.target.wants
dbus-org.bluez.service          network-online.target.wants
dbus-org.freedesktop.Avahi.service    printer.target.wants
dbus-org.freedesktop.ModemManager1.service   sockets.target.wants
dbus-org.freedesktop.nm-dispatcher.service   sysinit.target.wants
dbus-org.freedesktop.timesync1.service    timers.target.wants
display-manager.service
root@Debiano:/etc/systemd/system#
```

Para poder ingresar se be tener instalado sudo apt install nfs-kernel-server.

15. cd graphical.target.wants/

ls -l

Para ver cómo se van creando enlaces a las service que cada uno quiere

16. systemctl get-default: indica el target por defecto

17.