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Servicios



1. En la máquina virtual TestLinux realiza las siguientes tareas, incluyendo capturas de pantalla.

- 1.1. Muestra la lista de servicios del sistema.
- 1.2. Indica el comando para ver el estado del servicio sshd.
- 1.3. Indica los comandos para detener, iniciar e reiniciar el servicio sshd.
- 1.4. Indica los comandos para deshabilitar el servicio sshd y para habilitarlo.

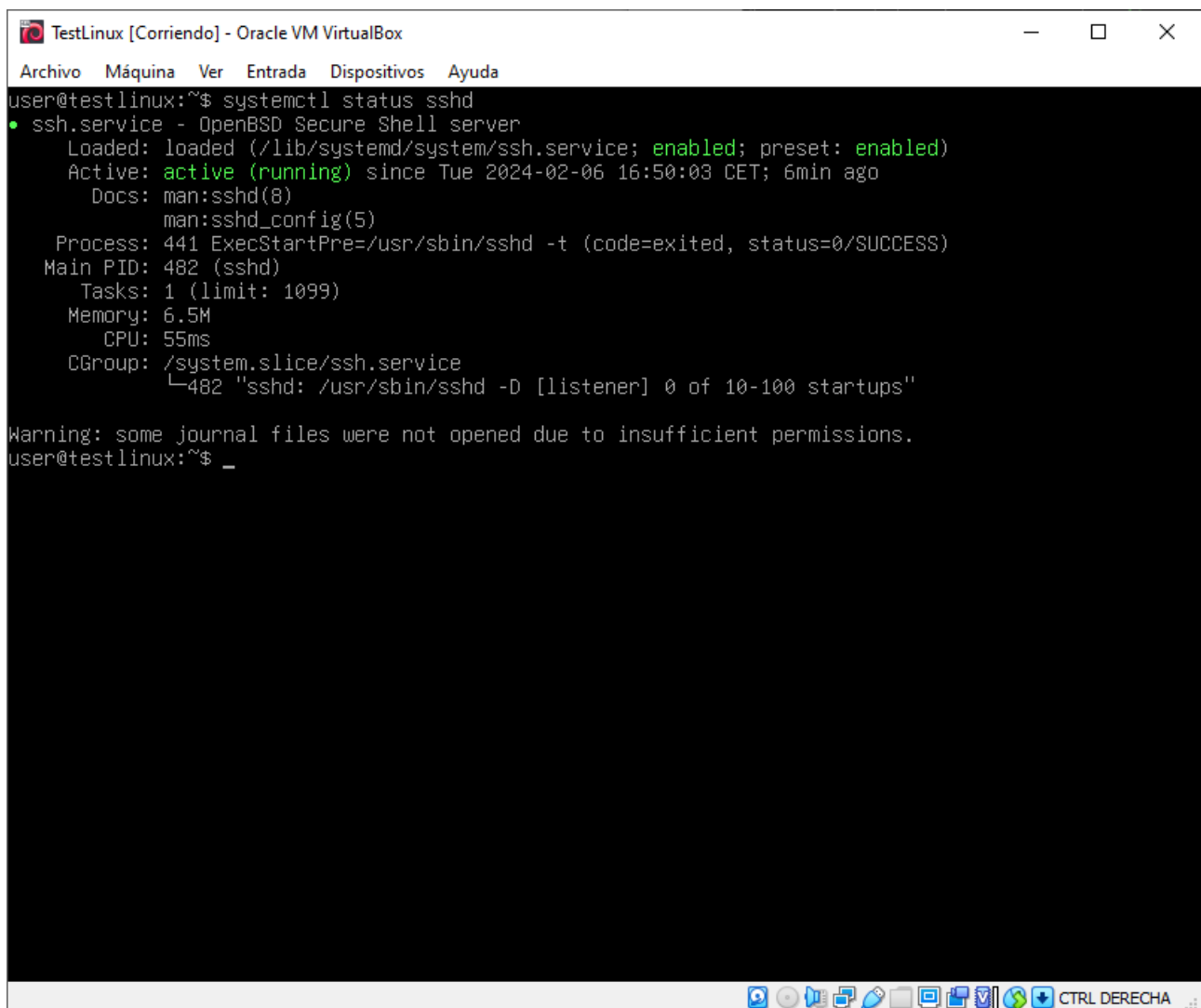
```
systemctl list-unit-files --type=service
```

UNIT FILE	STATE	PRESET
apparmor.service	enabled	enabled
apt-daily-upgrade.service	static	-
apt-daily.service	static	-
autovt@.service	alias	-
console-getty.service	disabled	disabled
console-setup.service	enabled	enabled
container-getty@.service	static	-
cron.service	enabled	enabled
cryptdisks-early.service	masked	enabled
cryptdisks.service	masked	enabled
dbus-org.freedesktop.hostname1.service	alias	-
dbus-org.freedesktop.locale1.service	alias	-
dbus-org.freedesktop.login1.service	alias	-
dbus-org.freedesktop.timedate1.service	alias	-
dbus-org.freedesktop.timesync1.service	alias	-
dbus.service	static	-
debug-shell.service	disabled	disabled
dpkg-db-backup.service	static	-
e2scrub@.service	static	-
e2scrub_all.service	static	-
e2scrub_fail@.service	static	-
e2scrub_reap.service	enabled	enabled
emergency.service	static	-
fstrim.service	static	-
getty-static.service	static	-
getty@.service	enabled	enabled
hwclock.service	masked	enabled
ifup@.service	static	-
ifupdown-pre.service	static	-
ifupdown-wait-online.service	disabled	enabled
initrd-cleanup.service	static	-
initrd-parse-etc.service	static	-
initrd-switch-root.service	static	-
initrd-udevadm-cleanup-db.service	static	-
keyboard-setup.service	enabled	enabled

lines 1-36

Figura 1: Ejercicio 1.1

```
systemctl status sshd
```

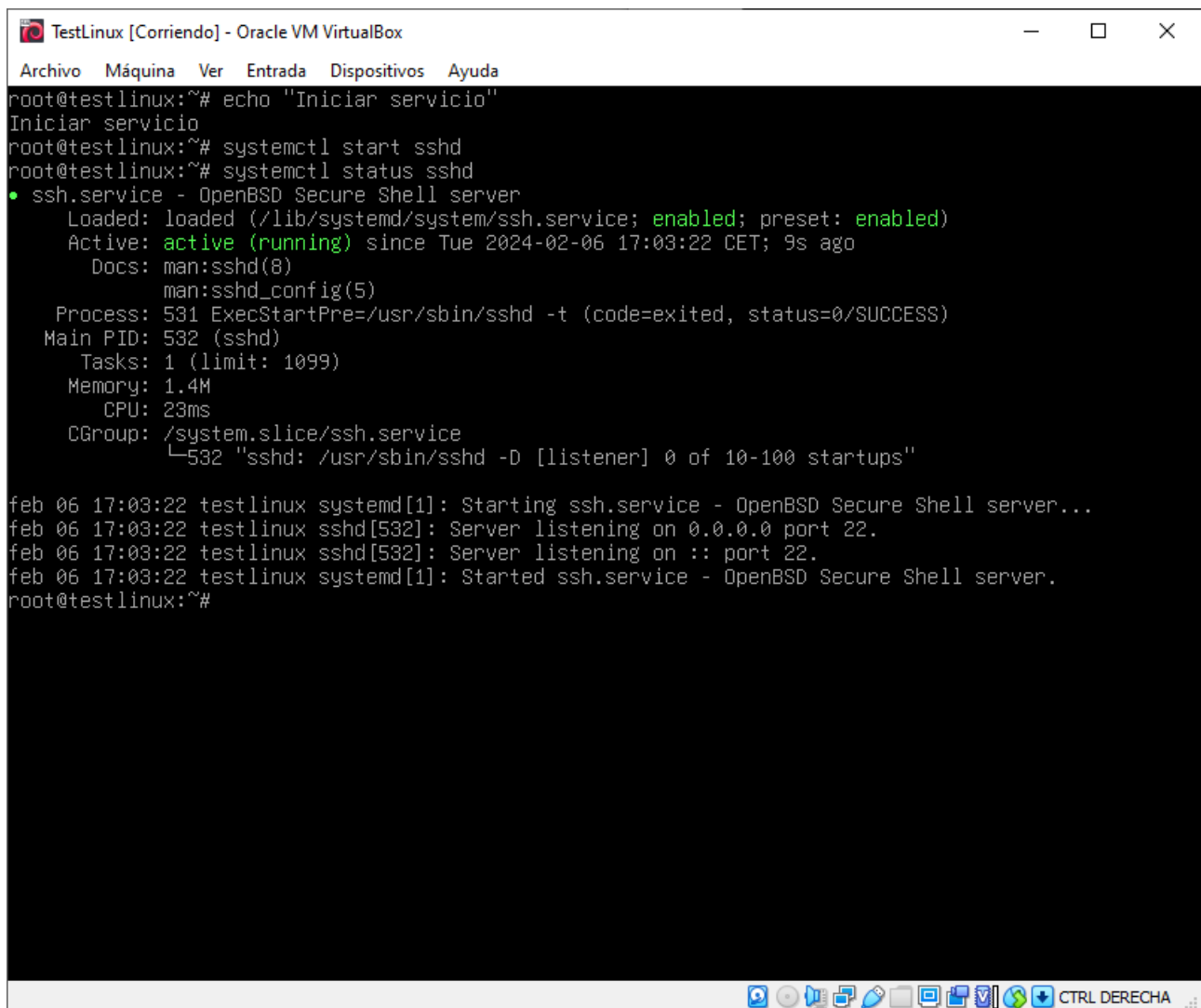


```
TestLinux [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
user@testlinux:~$ systemctl status sshd
• ssh.service - OpenBSD Secure Shell server
   Loaded: loaded (/lib/systemd/system/ssh.service; enabled; preset: enabled)
   Active: active (running) since Tue 2024-02-06 16:50:03 CET; 6min ago
     Docs: man:sshd(8)
           man:sshd_config(5)
  Process: 441 ExecStartPre=/usr/sbin/sshd -t (code=exited, status=0/SUCCESS)
 Main PID: 482 (sshd)
    Tasks: 1 (limit: 1099)
  Memory: 6.5M
     CPU: 55ms
  CGroup: /system.slice/ssh.service
          └─482 "sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups"

Warning: some journal files were not opened due to insufficient permissions.
user@testlinux:~$ _
```

Figura 2: Ejercicio 1.2

```
systemctl start sshd
```



The screenshot shows a terminal window titled "TestLinux [Corriendo] - Oracle VM VirtualBox". The terminal output is as follows:

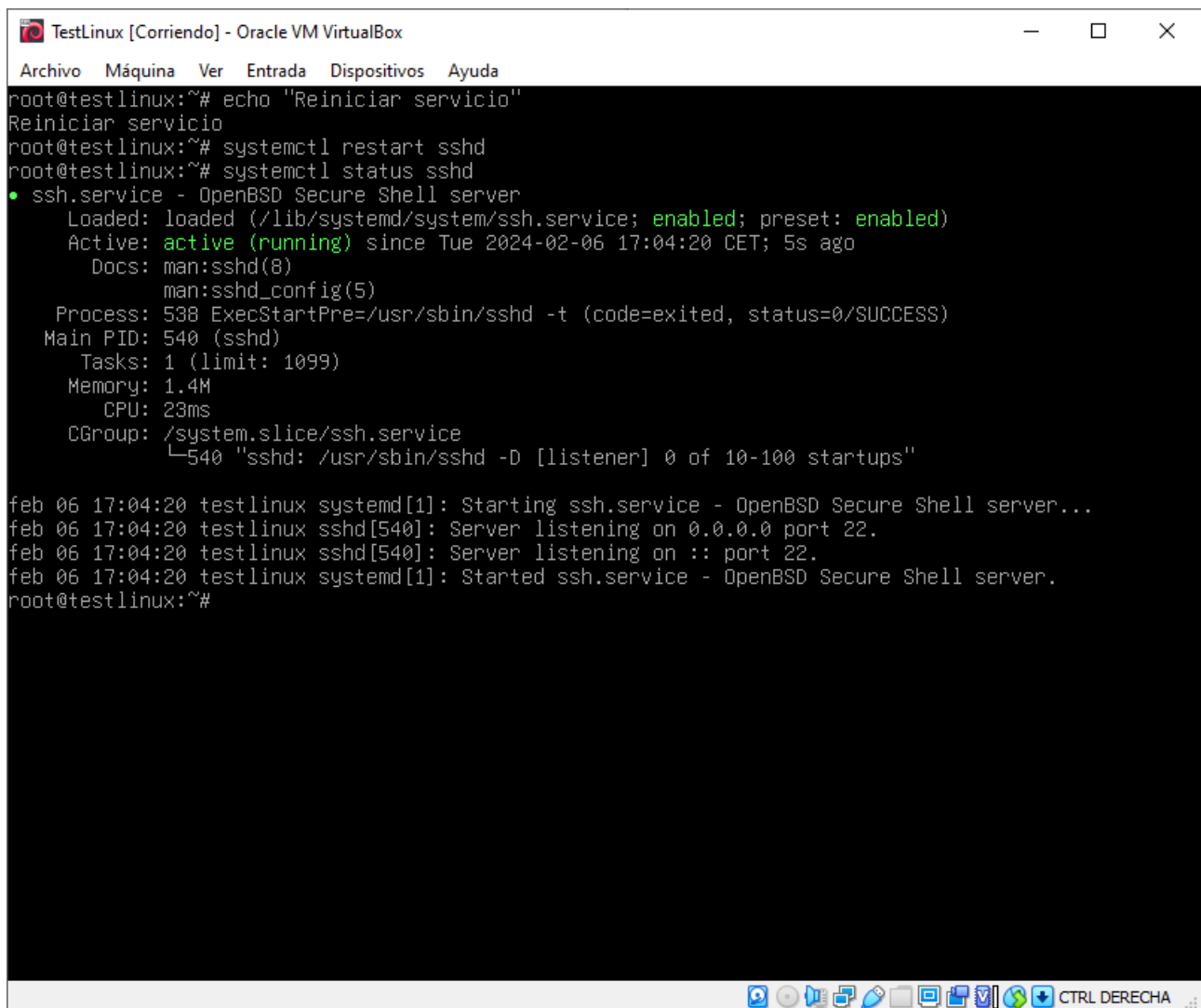
```
root@testlinux:~# echo "Iniciar servicio"
Iniciar servicio
root@testlinux:~# systemctl start sshd
root@testlinux:~# systemctl status sshd
• ssh.service - OpenBSD Secure Shell server
   Loaded: loaded (/lib/systemd/system/ssh.service; enabled; preset: enabled)
   Active: active (running) since Tue 2024-02-06 17:03:22 CET; 9s ago
     Docs: man:sshd(8)
           man:sshd_config(5)
   Process: 531 ExecStartPre=/usr/sbin/sshd -t (code=exited, status=0/SUCCESS)
  Main PID: 532 (sshd)
    Tasks: 1 (limit: 1099)
   Memory: 1.4M
      CPU: 23ms
   CGroup: /system.slice/ssh.service
           └─532 "sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups"

feb 06 17:03:22 testlinux systemd[1]: Starting ssh.service - OpenBSD Secure Shell server...
feb 06 17:03:22 testlinux sshd[532]: Server listening on 0.0.0.0 port 22.
feb 06 17:03:22 testlinux sshd[532]: Server listening on :: port 22.
feb 06 17:03:22 testlinux systemd[1]: Started ssh.service - OpenBSD Secure Shell server.
root@testlinux:~#
```

The terminal window has a menu bar with "Archivo", "Máquina", "Ver", "Entrada", "Dispositivos", and "Ayuda". The bottom status bar shows various icons and the text "CTRL DERECHA".

Figura 3: Ejercicio 1.3.1

```
systemctl restart sshd
```



The screenshot shows a terminal window titled "TestLinux [Corriendo] - Oracle VM VirtualBox". The terminal output is as follows:

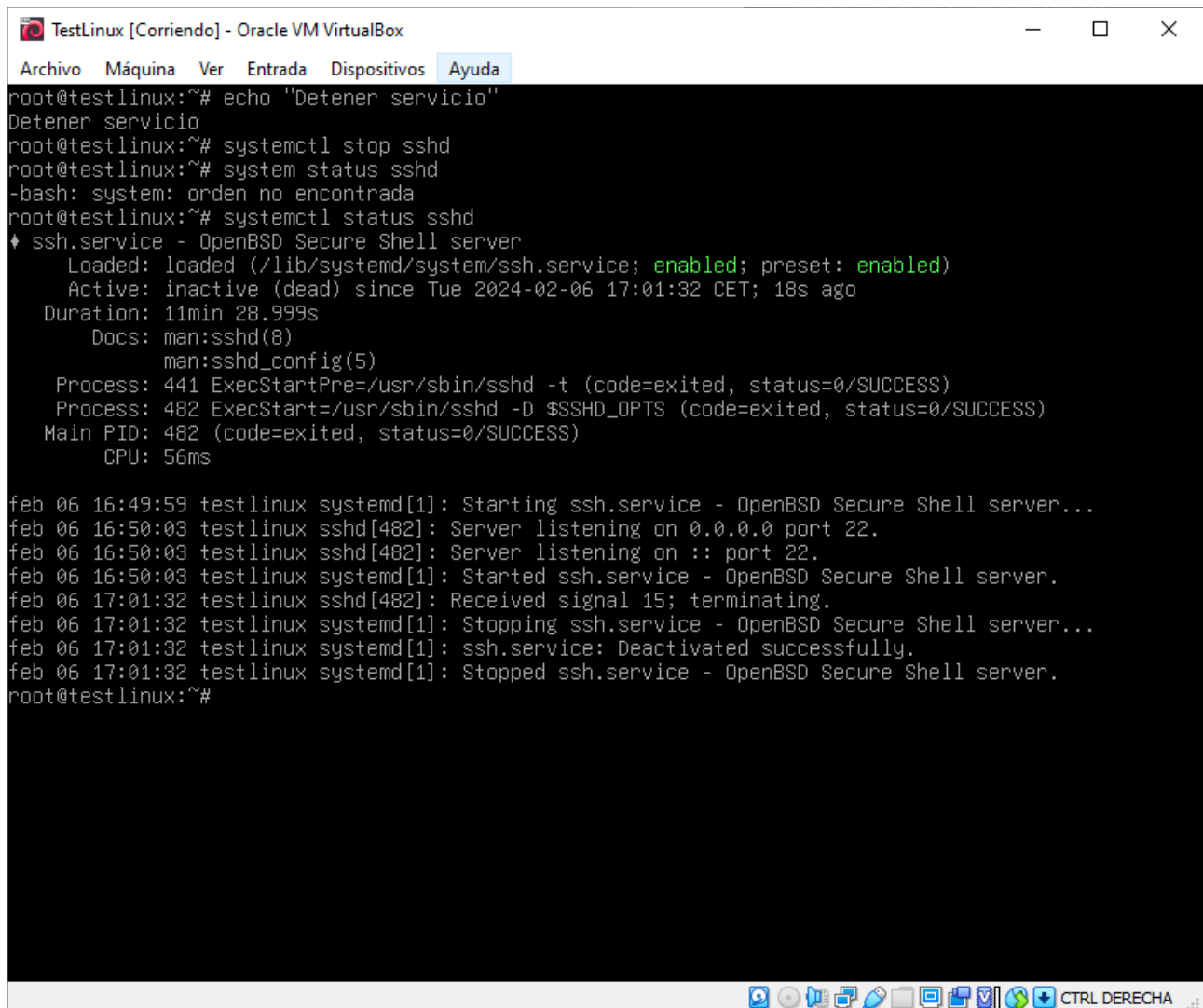
```
root@testlinux:~# echo "Reiniciar servicio"
Reiniciar servicio
root@testlinux:~# systemctl restart sshd
root@testlinux:~# systemctl status sshd
• ssh.service - OpenBSD Secure Shell server
   Loaded: loaded (/lib/systemd/system/ssh.service; enabled; preset: enabled)
   Active: active (running) since Tue 2024-02-06 17:04:20 CET; 5s ago
     Docs: man:sshd(8)
           man:sshd_config(5)
   Process: 538 ExecStartPre=/usr/sbin/sshd -t (code=exited, status=0/SUCCESS)
  Main PID: 540 (sshd)
    Tasks: 1 (limit: 1099)
   Memory: 1.4M
      CPU: 23ms
   CGroup: /system.slice/ssh.service
           └─540 "sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups"

feb 06 17:04:20 testlinux systemd[1]: Starting ssh.service - OpenBSD Secure Shell server...
feb 06 17:04:20 testlinux sshd[540]: Server listening on 0.0.0.0 port 22.
feb 06 17:04:20 testlinux sshd[540]: Server listening on :: port 22.
feb 06 17:04:20 testlinux systemd[1]: Started ssh.service - OpenBSD Secure Shell server.
root@testlinux:~#
```

The terminal window has a menu bar with "Archivo", "Máquina", "Ver", "Entrada", "Dispositivos", and "Ayuda". The bottom status bar shows various icons and the text "CTRL DERECHA".

Figura 4: Ejercicio 1.3.2

```
systemctl stop sshd
```



```
TestLinux [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
root@testlinux:~# echo "Detener servicio"
Detener servicio
root@testlinux:~# systemctl stop sshd
root@testlinux:~# systemctl status sshd
-bash: systemctl: orden no encontrada
root@testlinux:~# systemctl status sshd
* ssh.service - OpenBSD Secure Shell server
   Loaded: loaded (/lib/systemd/system/ssh.service; enabled; preset: enabled)
   Active: inactive (dead) since Tue 2024-02-06 17:01:32 CET; 18s ago
 Duration: 11min 28.999s
    Docs: man:sshd(8)
          man:sshd_config(5)
   Process: 441 ExecStartPre=/usr/sbin/sshd -t (code=exited, status=0/SUCCESS)
   Process: 482 ExecStart=/usr/sbin/sshd -D $SSHD_OPTS (code=exited, status=0/SUCCESS)
   Main PID: 482 (code=exited, status=0/SUCCESS)
      CPU: 56ms

feb 06 16:49:59 testlinux systemd[1]: Starting ssh.service - OpenBSD Secure Shell server...
feb 06 16:50:03 testlinux sshd[482]: Server listening on 0.0.0.0 port 22.
feb 06 16:50:03 testlinux sshd[482]: Server listening on :: port 22.
feb 06 16:50:03 testlinux systemd[1]: Started ssh.service - OpenBSD Secure Shell server.
feb 06 17:01:32 testlinux sshd[482]: Received signal 15; terminating.
feb 06 17:01:32 testlinux systemd[1]: Stopping ssh.service - OpenBSD Secure Shell server...
feb 06 17:01:32 testlinux systemd[1]: ssh.service: Deactivated successfully.
feb 06 17:01:32 testlinux systemd[1]: Stopped ssh.service - OpenBSD Secure Shell server.
root@testlinux:~#
```

Figura 5: Ejercicio 1.3.3

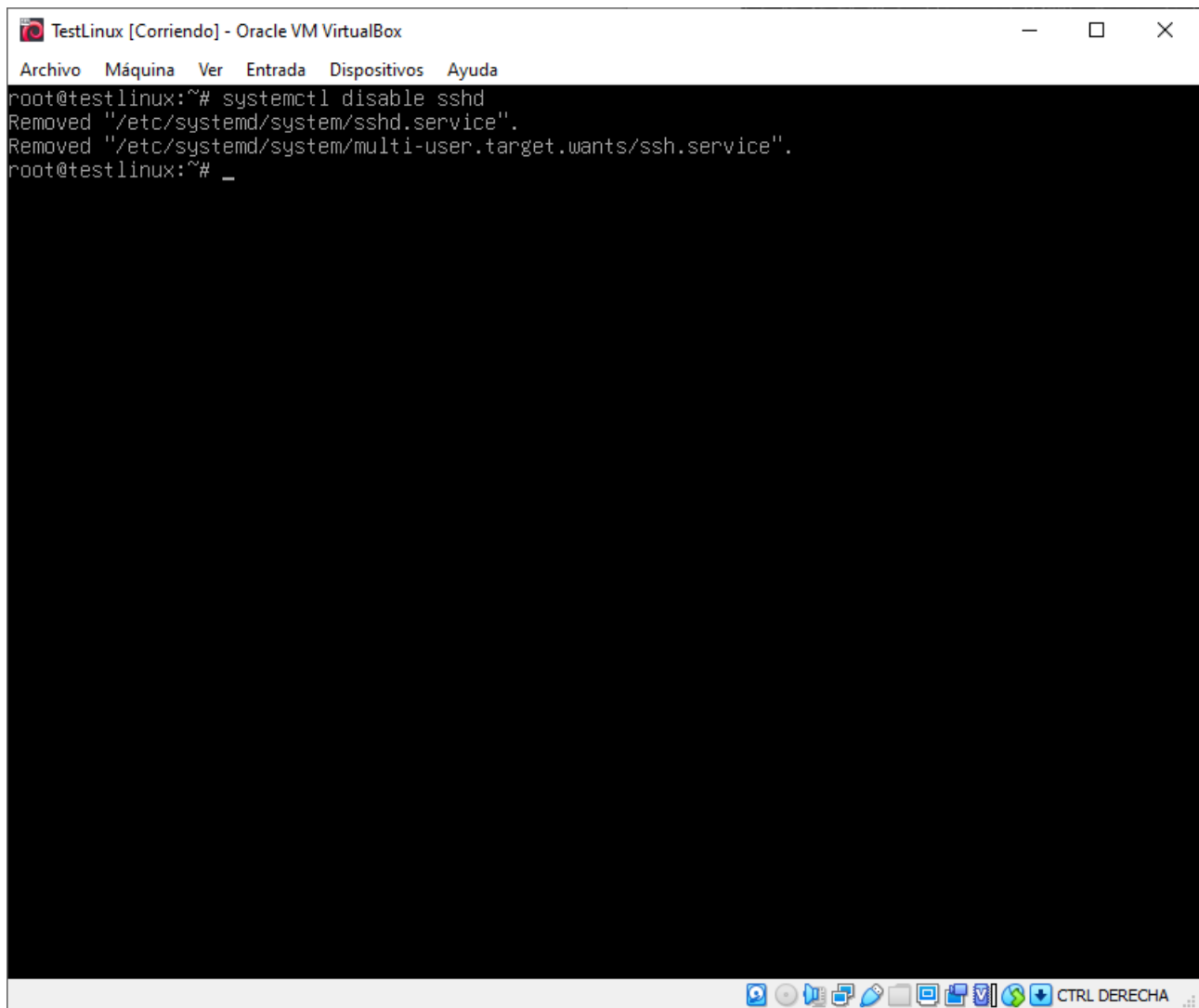
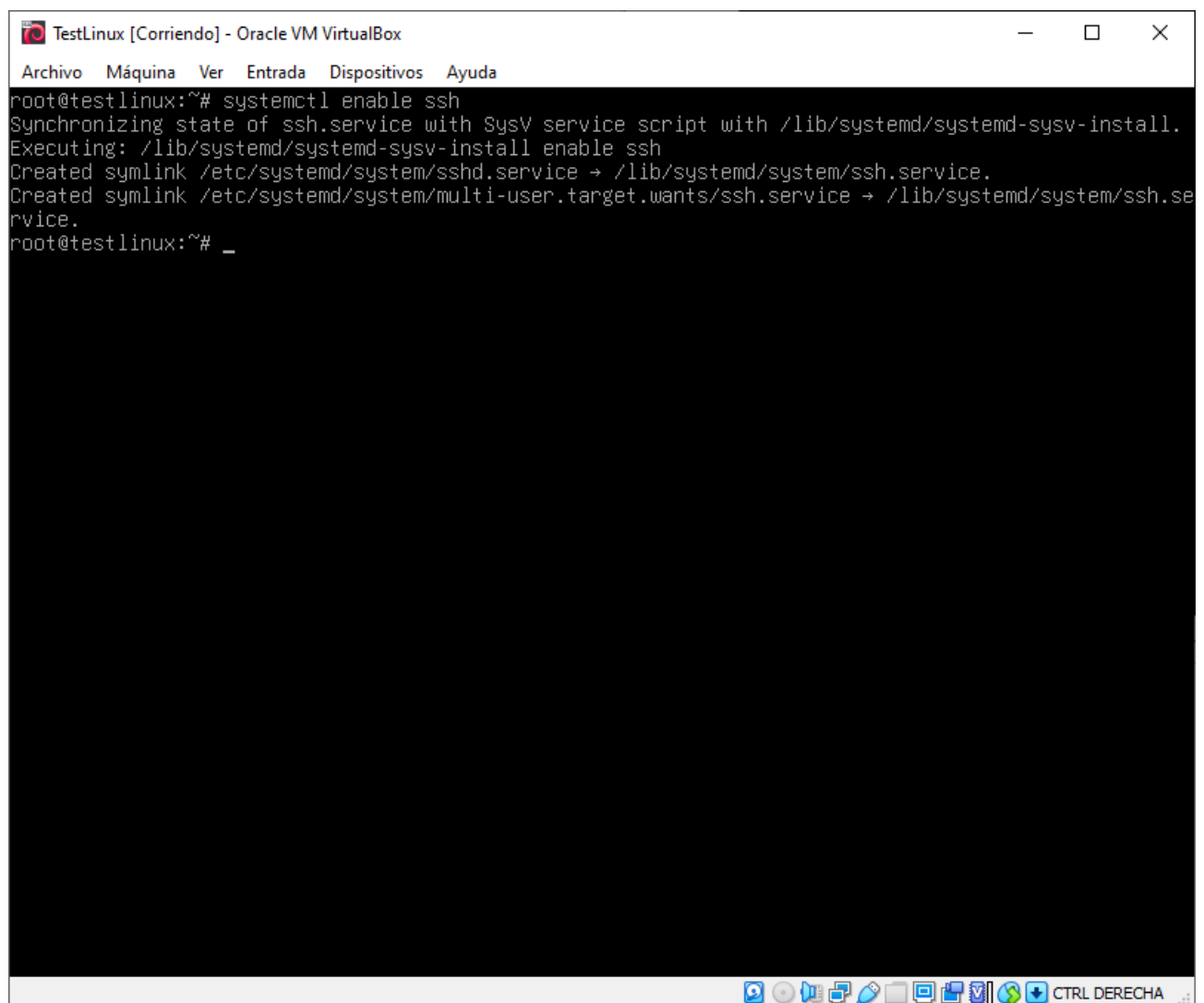


Figura 6: Ejercicio 1.4.1

```
systemctl enable ssh
```



The screenshot shows a terminal window titled "TestLinux [Corriendo] - Oracle VM VirtualBox". The window has a menu bar with "Archivo", "Máquina", "Ver", "Entrada", "Dispositivos", and "Ayuda". The terminal output is as follows:

```
root@testlinux:~# systemctl enable ssh
Synchronizing state of ssh.service with SysV service script with /lib/systemd/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable ssh
Created symlink /etc/systemd/system/sshd.service → /lib/systemd/system/ssh.service.
Created symlink /etc/systemd/system/multi-user.target.wants/ssh.service → /lib/systemd/system/ssh.service.
root@testlinux:~# _
```

The terminal window has a standard Linux desktop environment at the bottom with various icons and a "CTRL DERECHA" prompt.

Figura 7: Ejercicio 1.4.2