



Apellidos, Nombre: Agra Casal Ruben

Procesos



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

1.1. Muestra todos los procesos del sistema de forma paginada

1.2. Muestra la lista de los procesos que más CPU emplean.

1.3. Desde tty1 lanza el comando `watch ps` y accede a tty2 para mostrar el identificador del proceso y a continuación mátalos.

TestLinux [Corriendo] - Oracle VM VirtualBox

Archivo Máquina Ver Entrada Dispositivos Ayuda

UID	PID	PPID	C	STIME	TTY	TIME	CMD
root	1	0	0	20:38	?	00:00:00	/sbin/init
root	2	0	0	20:38	?	00:00:00	[kthreadd]
root	3	2	0	20:38	?	00:00:00	[rcu_gp]
root	4	2	0	20:38	?	00:00:00	[rcu_par_gp]
root	5	2	0	20:38	?	00:00:00	[slub_flushwq]
root	6	2	0	20:38	?	00:00:00	[netns]
root	10	2	0	20:38	?	00:00:00	[mm_percpu_wq]
root	11	2	0	20:38	?	00:00:00	[rcu_tasks_kthread]
root	12	2	0	20:38	?	00:00:00	[rcu_tasks_rude_kthread]
root	13	2	0	20:38	?	00:00:00	[rcu_tasks_trace_kthread]
root	14	2	0	20:38	?	00:00:00	[ksoftirqd/0]
root	15	2	0	20:38	?	00:00:00	[rcu_preempt]
root	16	2	0	20:38	?	00:00:00	[migration/0]
root	18	2	0	20:38	?	00:00:00	[cpuhp/0]
root	20	2	0	20:38	?	00:00:00	[kdevtmpfs]
root	21	2	0	20:38	?	00:00:00	[inet_frag_wq]
root	22	2	0	20:38	?	00:00:00	[kauditd]
root	23	2	0	20:38	?	00:00:00	[khungtaskd]
root	24	2	0	20:38	?	00:00:00	[oom_reaper]
root	27	2	0	20:38	?	00:00:00	[writeback]
root	28	2	0	20:38	?	00:00:00	[kcompactd0]
root	29	2	0	20:38	?	00:00:00	[ksmd]
root	30	2	0	20:38	?	00:00:00	[khugepaged]
root	31	2	0	20:38	?	00:00:00	[kintegrityd]
root	32	2	0	20:38	?	00:00:00	[kblockd]
root	33	2	0	20:38	?	00:00:00	[blkcg_punt_bio]
root	34	2	0	20:38	?	00:00:00	[tpm_dev_wq]
root	35	2	0	20:38	?	00:00:00	[edac-poller]
root	36	2	0	20:38	?	00:00:00	[devfreq_wq]
root	37	2	0	20:38	?	00:00:00	[kworker/0:1H-kblockd]
root	38	2	0	20:38	?	00:00:00	[kswapd0]
root	44	2	0	20:38	?	00:00:00	[kthrotld]
root	46	2	0	20:38	?	00:00:00	[acpi_thermal_pm]
root	47	2	0	20:38	?	00:00:00	[mld]
root	48	2	0	20:38	?	00:00:00	[ipv6_addrconf]

--Más--

CTRL DERECHA

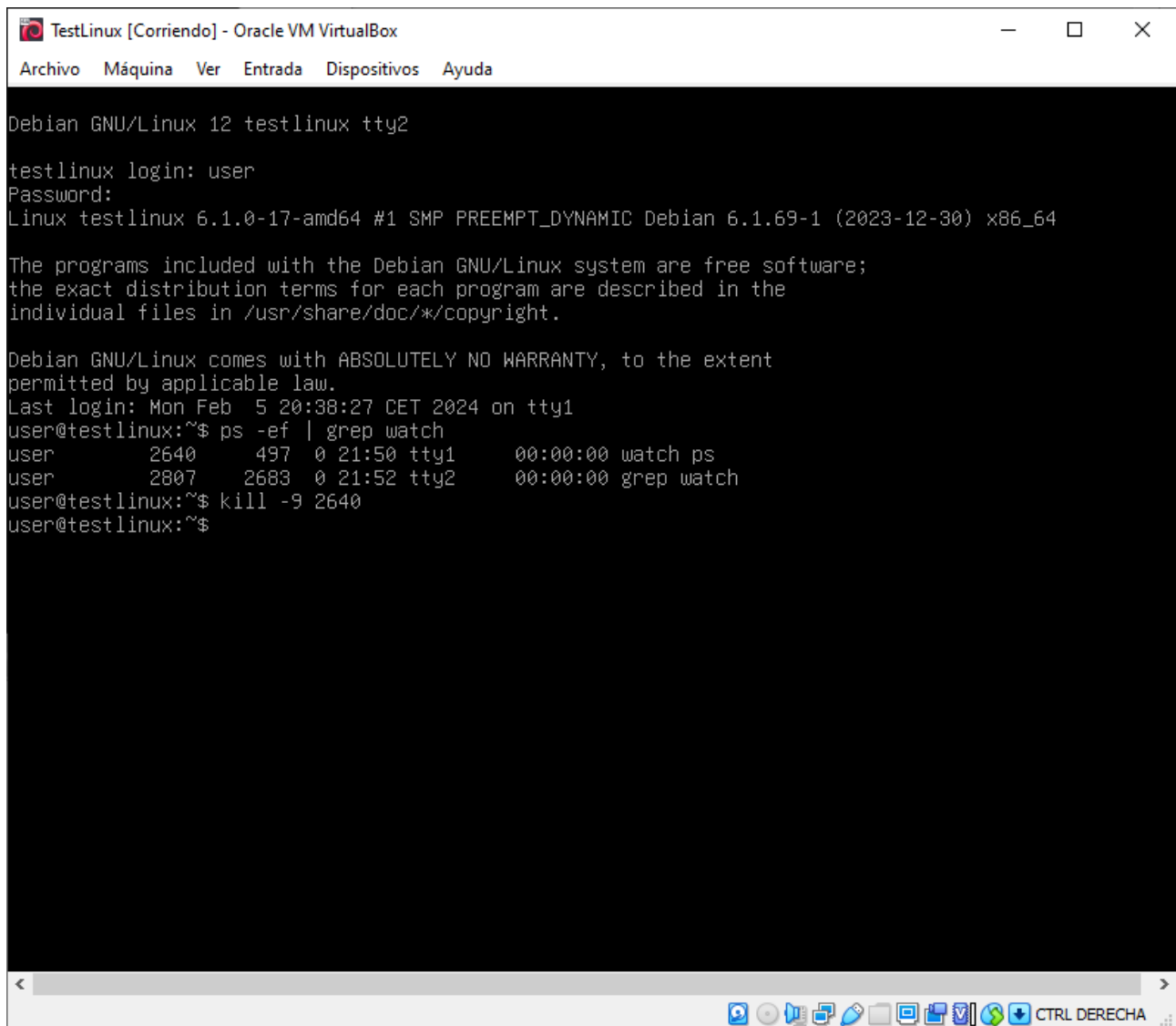
Figura 1: Ejercicio 1.1

```
TestLinux [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda

top - 21:49:37 up 1:11, 1 user, load average: 0,00, 0,00, 0,00
Tareas: 68 total, 1 running, 67 sleeping, 0 stopped, 0 zombie
%Cpu(s): 0,0 us, 0,3 sy, 0,0 ni, 99,7 id, 0,0 wa, 0,0 hi, 0,0 si, 0,0 st
MiB Mem : 960,8 total, 765,5 free, 216,6 used, 96,9 buff/cache
MiB Intercambio: 975,0 total, 975,0 free, 0,0 used, 744,2 avail Mem

  PID USER      PR  NI    VIRT    RES    SHR S  %CPU  %MEM    TIME+  COMMAND
    1 root        20   0 102136   12372   9276 S   0,0   1,3   0:00.63 systemd
    2 root        20   0     0         0     0 S   0,0   0,0   0:00.00 kthreadd
    3 root         0 -20     0         0     0 I   0,0   0,0   0:00.00 rcu_gp
    4 root         0 -20     0         0     0 I   0,0   0,0   0:00.00 rcu_par_gp
    5 root         0 -20     0         0     0 I   0,0   0,0   0:00.00 slub_flushwq
    6 root         0 -20     0         0     0 I   0,0   0,0   0:00.00 netns
   10 root         0 -20     0         0     0 I   0,0   0,0   0:00.00 mm_percpu_wq
   11 root        20   0     0         0     0 I   0,0   0,0   0:00.00 rcu_tasks_kthread
   12 root        20   0     0         0     0 I   0,0   0,0   0:00.00 rcu_tasks_rude_kthread
   13 root        20   0     0         0     0 I   0,0   0,0   0:00.00 rcu_tasks_trace_kthread
   14 root        20   0     0         0     0 S   0,0   0,0   0:00.05 ksoftirqd/0
   15 root        20   0     0         0     0 I   0,0   0,0   0:00.12 rcu_preempt
   16 root        rt    0     0         0     0 S   0,0   0,0   0:00.02 migration/0
   18 root        20   0     0         0     0 S   0,0   0,0   0:00.00 cpuhp/0
   20 root        20   0     0         0     0 S   0,0   0,0   0:00.00 kdevtmpfs
   21 root         0 -20     0         0     0 I   0,0   0,0   0:00.00 inet_frag_wq
   22 root        20   0     0         0     0 S   0,0   0,0   0:00.00 kauditd
   23 root        20   0     0         0     0 S   0,0   0,0   0:00.00 khungtaskd
   24 root        20   0     0         0     0 S   0,0   0,0   0:00.00 oom_reaper
   27 root         0 -20     0         0     0 I   0,0   0,0   0:00.00 writeback
   28 root        20   0     0         0     0 S   0,0   0,0   0:00.50 kcompactd0
   29 root        25   5     0         0     0 S   0,0   0,0   0:00.00 ksmd
   30 root        39  19     0         0     0 S   0,0   0,0   0:00.05 khugepaged
   31 root         0 -20     0         0     0 I   0,0   0,0   0:00.00 kintegrityd
   32 root         0 -20     0         0     0 I   0,0   0,0   0:00.00 kblockd
   33 root         0 -20     0         0     0 I   0,0   0,0   0:00.00 blkcg_punt_bio
   34 root         0 -20     0         0     0 I   0,0   0,0   0:00.00 tpm_dev_wq
   35 root         0 -20     0         0     0 I   0,0   0,0   0:00.00 edac-poller
   36 root         0 -20     0         0     0 I   0,0   0,0   0:00.00 devfreq_wq
   37 root         0 -20     0         0     0 I   0,0   0,0   0:00.10 kworker/0:1H-kblockd
```

Figura 2: Ejercicio 1.2



```
TestLinux [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda

Debian GNU/Linux 12 testlinux tty2

testlinux login: user
Password:
Linux testlinux 6.1.0-17-amd64 #1 SMP PREEMPT_DYNAMIC Debian 6.1.69-1 (2023-12-30) x86_64

The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Mon Feb  5 20:38:27 CET 2024 on tty1
user@testlinux:~$ ps -ef | grep watch
user      2640    497  0 21:50 tty1      00:00:00 watch ps
user      2807    2683  0 21:52 tty2      00:00:00 grep watch
user@testlinux:~$ kill -9 2640
user@testlinux:~$
```

Figura 3: Ejercicio 1.3.1

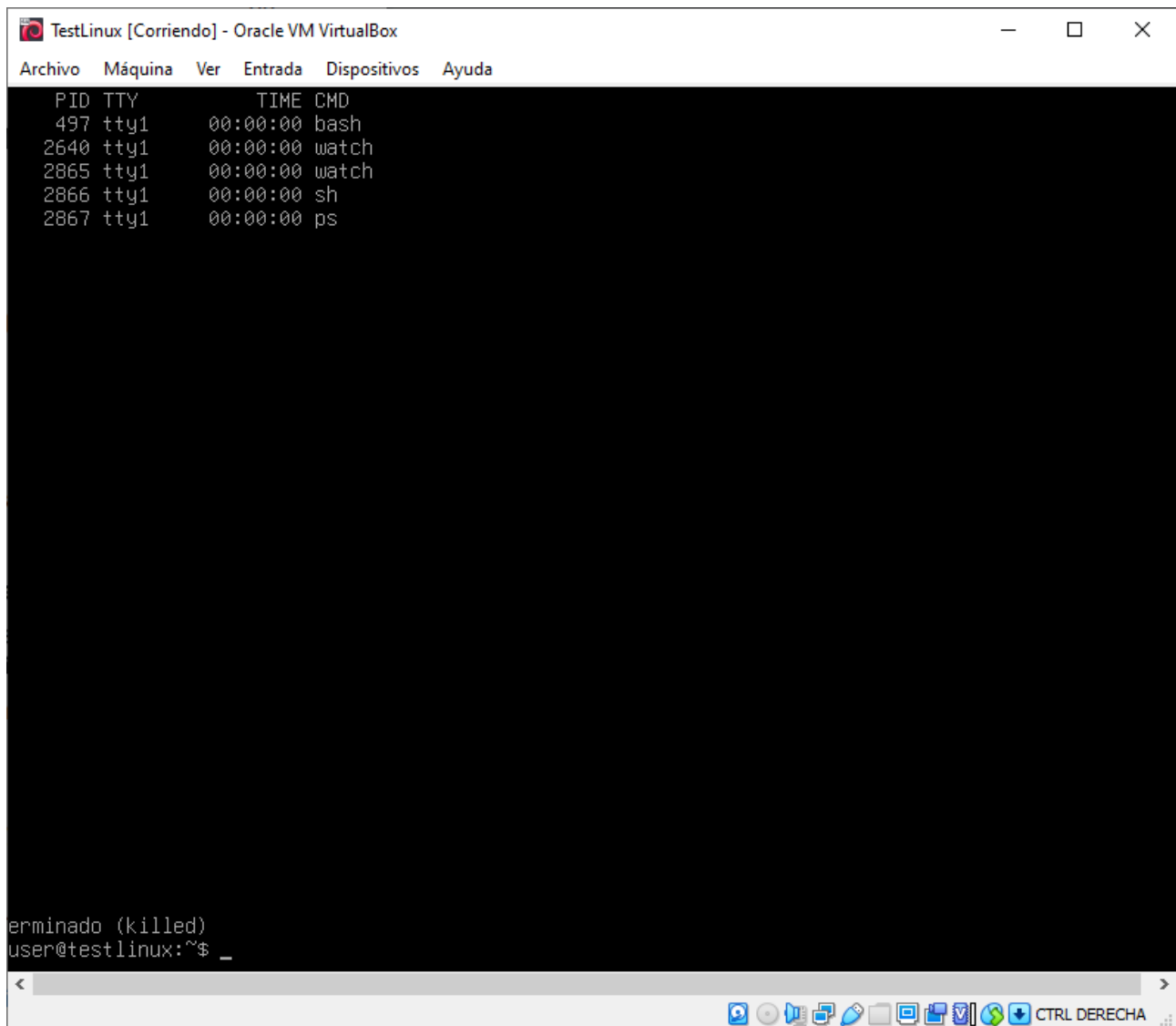


Figura 4: Ejercicio 1.3.2