

Actividad 1

The screenshot shows a Linux desktop with a terminal window open. The terminal displays the output of the 'df' command, which shows the disk space usage for various filesystems. The output is as follows:

```
onworks@onworks-Standard-PC-l440FX-PIIX-1996: ~$ df
Filesystem      1K-blocks    Used Available Use% Mounted on
udev            1467132      0    1467132   0% /dev
tmpfs           299064      1432    297632   1% /run
/dev/sda5       30313412  7186096  21564436  25% /
tmpfs           1495304      0    1495304   0% /dev/shm
tmpfs           5120         4       5116   1% /run/lock
tmpfs           1495304      0    1495304   0% /sys/fs/cgroup
/dev/loop1       261760     261760      0 100% /snap/gnome-3-34-1804/36
/dev/loop2       63616      63616      0 100% /snap/gtk-common-themes/1506
/dev/loop0       56320      56320      0 100% /snap/core18/1880
/dev/loop3       51072      51072      0 100% /snap/snap-store/467
/dev/loop4       30720      30720      0 100% /snap/snapd/8542
/dev/sda1        523248      4     523244   1% /boot/efi
tmpfs            299060      28     299032   1% /run/user/1000
onworks@onworks-Standard-PC-l440FX-PIIX-1996: ~$
```

The screenshot shows a Linux terminal window displaying the output of the 'top' command. The output provides a snapshot of the system's current state, including tasks, CPU usage, and memory usage. Below the summary, a table lists the running processes with their PIDs, users, and commands.

```
top - 03:13:32 up 5 min, 1 user, load average: 1.14, 0.66, 0.31
Tasks: 183 total, 3 running, 180 sleeping, 0 stopped, 0 zombie
%Cpu(s): 38,9 us, 12,0 sy, 0,0 ni, 49,2 id, 0,0 wa, 0,0 hi, 0,0 si, 0,0 st
MiB Mem : 2920,5 total, 913,6 free, 956,8 used, 1050,2 buff/cache
MiB Swap: 1401,6 total, 1401,6 free, 0,0 used. 1784,9 avail Mem
```

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
2767	root	20	0	260776	92036	59732	R	100,0	3,1	1:07.95	unattended-upgr
1052	onworks	20	0	3871536	320836	119564	S	1,0	10,7	0:08.55	gnome-shell
486	message+	20	0	9084	6176	3912	S	0,3	0,2	0:00.32	dbus-daemon
1	root	20	0	101820	11444	8420	S	0,0	0,4	0:00.98	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	20	0	0	0	0	I	0,0	0,0	0:00.05	kworker/0:0-events
6	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	kworker/0:0H-kblockd
7	root	20	0	0	0	0	I	0,0	0,0	0:00.00	kworker/u4:0-events_power_effic+
8	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	mm_percpu_wq
9	root	20	0	0	0	0	S	0,0	0,0	0:00.05	ksoftirqd/0
10	root	20	0	0	0	0	R	0,0	0,0	0:00.12	rcu_sched
11	root	rt	0	0	0	0	S	0,0	0,0	0:00.00	migration/0
12	root	-51	0	0	0	0	S	0,0	0,0	0:00.00	idle_inject/0
13	root	20	0	0	0	0	I	0,0	0,0	0:00.07	kworker/0:1-cgroup_destroy
14	root	20	0	0	0	0	S	0,0	0,0	0:00.00	cpuhp/0
15	root	20	0	0	0	0	S	0,0	0,0	0:00.00	cpuhp/1
16	root	-51	0	0	0	0	S	0,0	0,0	0:00.00	idle_inject/1
17	root	rt	0	0	0	0	S	0,0	0,0	0:00.16	migration/1
18	root	20	0	0	0	0	S	0,0	0,0	0:00.05	ksoftirqd/1
20	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	kworker/1:0H-kblockd
21	root	20	0	0	0	0	S	0,0	0,0	0:00.00	kdevtmpfs
22	root	0	-20	0	0	0	I	0,0	0,0	0:00.00	netns
23	root	20	0	0	0	0	S	0,0	0,0	0:00.00	rcu_tasks_kthre

El primer comando muestra el estado del disco:

Ejecute el comando "df" en la terminal sin ningún nombre de archivo. Imprimirá las estadísticas completas de espacio en disco en forma tabular, incluido el total, usado, disponible y el directorio raíz donde se montan los archivos.

La segunda captura es el administrador de tareas.

Actividad 2

1)

Ubuntu Studio

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- Tipo de sistema operativo: [Linux](#)
- Basado en: [Debian](#), [Ubuntu](#)
- Origen: [USA](#)
- Arquitectura: [x86_64](#)
- Escritorio: [KDE Plasma](#)
- Categoría: [Desktop](#), [Live Medium](#), [Multimedia](#)
- Estado: [Activo](#)
- Popularidad: [86 \(151 Clicks por día\)](#)

Ubuntu Studio es una variante de Ubuntu que apunta a los entusiastas del audio, video y gráficos en GNU/Linux así como a los profesionales. La distribución provee una colección de aplicaciones de código abierto disponibles para la creación multimedia.

2) Ubuntu Studio is Free and Open Source Software (FOSS), which means it is free to download and use. You can get the source code, study it and modify it. You can redistribute Ubuntu Studio and can even redistribute your modified version.

3) Procesador: Intel o AMD a 1 Ghz • Memoria RAM: 384 MB • Disco duro: 5 GB • Tarjeta gráfica VGA • Lector **de** CDROM o tarjeta **de** red. Si se dispone **de** una computadora con un procesador **de** 64 bits (x8664), se recomienda utilizar la versión **de Ubuntu para** sistemas **de** 64 bits.

4) Open Terminal Ubuntu

To open a terminal, you can **press Ctrl, Alt and T keys together**. It's not that complicate. Press and hold Ctrl first and then press Alt key and hold on to it as well. When you are holding both Ctrl and Alt keys, press T and you'll see that a new terminal window is opened. Sep 2, 2021

5) You can install applications different ways. Terminal, the Ubuntu Software Center, and Synaptic.

With the Ubuntu Software Center, you just open it from the Launcher, and search for the application that you want.

If you know the right commands to install via terminal, then you'd just press Ctrl+Alt+T on your keyboard to open Terminal. When it opens, you can run the command(s) needed to install the application.

6) Can you install games on Ubuntu?

There are thousands of games available which are free software and will run natively on Ubuntu. In addition, there are emulators that will run many games for Windows or even classic game consoles. Whether you enjoy card games or shoot 'em ups, there's something for everyone.

7)

