



Título de la actividad: Paquetes instalados

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Zumpango

Introducción

El objetivo de esta actividad es listar todos los paquetes instalados en mi sistema Linux, contar el total de paquetes, y exportar la lista a un archivo de texto para futura referencia. Esto permite tener un control sobre los paquetes instalados y facilita la administración del sistema.

1. Listado de paquetes instalados

Comando ejecutado:

```
dpkg -l
```

Descripción:

- dpkg es el gestor de paquetes de Debian/Ubuntu.
- La opción -l lista todos los paquetes instalados, mostrando su nombre, versión y descripción corta.

Evidencia:

```
ericc@Kareri: ~  
ericc@Kareri:~$ dpkg -l  
Desired=Unknown/Install/Remove/Purge/Hold  
| Status=Not/Inst/Conf-files/Unpacked/halF-conf/Half-inst/trig-aWait/Trig-pend  
|/ Err?=(none)/Reinst-required (Status,Err: uppercase=bad)  
||/ Name Version Architecture Description  
++-----+-----+-----+-----+  
ii adduser 3.137ubuntu1 all add and remove users and groups  
ii adwaita-icon-theme 46.0-1 all default icon theme of GNOME  
ii apparmor 4.0.1really4.0.1-0ubuntu0.24.04.4 amd64 user-space parser utility for AppArmor  
ii apport 2.28.1-0ubuntu3.8 all automatically generate crash reports for debugging  
ii apport-core-dump-handler 2.28.1-0ubuntu3.8 all Kernel core dump handler for Apport  
ii apport-symptoms 0.25 all symptom scripts for apport  
ii appstream 1.0.2-1build6 amd64 Software component metadata management  
ii apt 2.8.3 amd64 commandline package manager  
ii apt-utils 2.8.3 amd64 package management related utility programs  
ii at-spi2-common 2.52.0-1build1 all Assistive Technology Service Provider Interface (common files)  
ii at-spi2-core 2.52.0-1build1 amd64 Assistive Technology Service Provider Interface (D-Bus core)  
ii base-files 13ubuntu10.3 amd64 Debian base system miscellaneous files  
ii base-passwd 3.6.3build1 amd64 Debian base system master password and group files  
ii bash 5.2.21-2ubuntu4 amd64 GNU Bourne Again SHell  
ii bash-completion 1:2.11-8 all programmable completion for the bash shell  
ii bc 1.07.1-3ubuntu4 amd64 GNU bc arbitrary precision calculator language  
ii binutils 2.42-4ubuntu2.5 amd64 GNU assembler, linker and binary utilities  
ii binutils-common:amd64 2.42-4ubuntu2.5 amd64 Common files for the GNU assembler, linker and binary utilities  
ii binutils-x86-64-linux-gnu 2.42-4ubuntu2.5 amd64 GNU binary utilities, for x86-64-linux-gnu target  
ii bsdxstrutils 2.39.3-9ubuntu6.3 amd64 extra utilities from 4.4BSD-Lite  
ii bsdxtrutils 1:2.39.3-9ubuntu6.3 amd64 basic utilities from 4.4BSD-Lite  
ii build-essential 12.10ubuntu1 amd64 Informational list of build-essential packages  
ii byobu 6.11-0ubuntu1 all text window manager, shell multiplexer, integrated DevOps env  
ii bzip2 1.0.8-5.1build0.1 amd64 high-quality block-sorting file compressor - utilities  
ii ca-certificates 20240203 all Common CA certificates  
ii cloud-guest-utils 0.33-1 all cloud guest utilities  
ii cloud-init 25.1.4-0ubuntu0~24.04.1 all initialization and customization tool for cloud instances  
ii command-not-found 23.04.0 all Suggest installation of packages in interactive bash sessions  
ii console-setup 1.226ubuntu1 all console font and keymap setup program  
ii console-setup-linux 1.226ubuntu1 all Linux specific part of console-setup  
ii coreutils 9.4-3ubuntu6 amd64 GNU core utilities  
ii cpp 4:13.2.0-7ubuntu1 amd64 GNU C preprocessor (cpp)  
ii cpp-13 13.3.0-6ubuntu2~24.04 amd64 GNU C preprocessor  
ii cpp-13-x86-64-linux-gnu 13.3.0-6ubuntu2~24.04 amd64 GNU C preprocessor for x86_64-linux-gnu  
ii cpp-x86-64-linux-gnu 4:13.2.0-7ubuntu1 amd64 GNU C preprocessor (cpp) for the amd64 architecture
```

2. Total de paquetes instalados

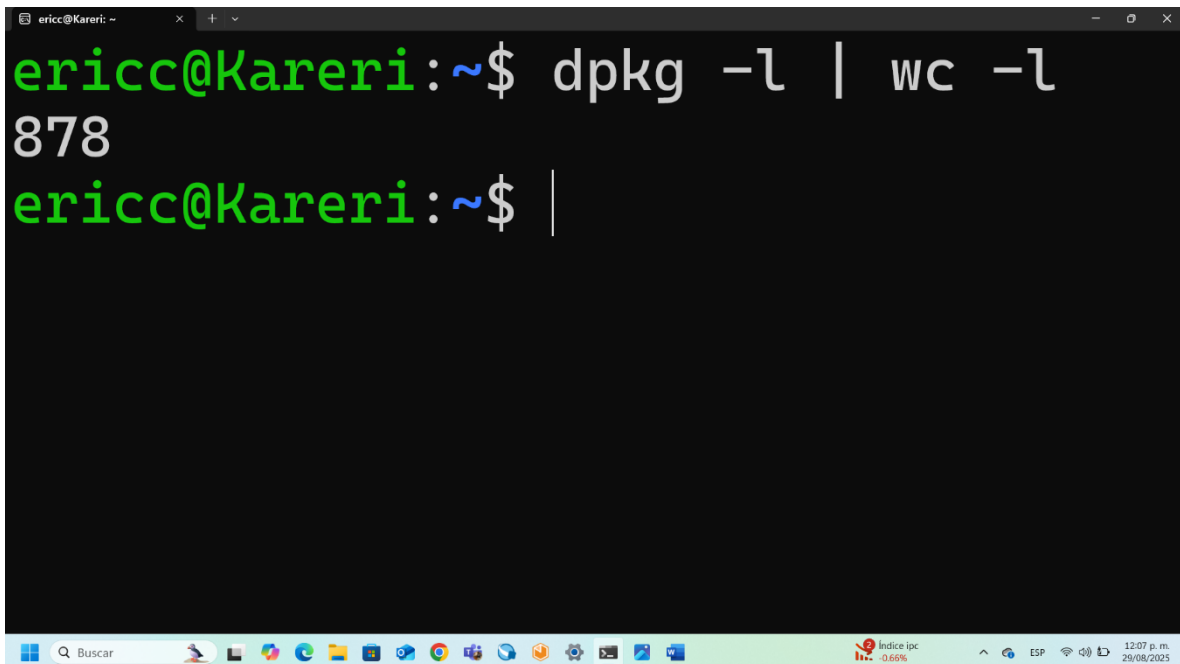
Comando ejecutado:

```
dpkg -l | wc -l
```

Descripción:

- El símbolo | redirige la salida del comando anterior como entrada al siguiente.
- wc -l cuenta las líneas de la salida, dando el número total de paquetes instalados en el sistema.

Evidencia:



```
ericc@Kareri: ~$ dpkg -l | wc -l
878
ericc@Kareri: ~$ |
```

The screenshot shows a terminal window titled 'ericc@Kareri: ~'. The command 'dpkg -l | wc -l' is entered, and the output '878' is displayed. The terminal window is open on a Windows desktop, with the taskbar visible at the bottom showing various application icons and the system clock indicating 12:07 p.m. on 29/08/2025.

3. Exportación de la lista a archivo de texto

Comando ejecutado:

`dpkg -l > PkgInstallAgo25.txt`

Descripción:

- > redirige la salida del comando a un archivo de texto llamado PkgInstallAgo25.txt.
- Este archivo contiene la lista completa de paquetes instalados y sirve como referencia futura.

Verificación de creación del archivo:

`ls -l PkgInstallAgo25.txt`

Evidencia:

```
ericc@Karer: ~  
ericc@Karer:~$ dpkg -l | wc -l  
878  
ericc@Karer:~$ dpkg -l > PkgInstallAgo25.txt  
ericc@Karer:~$ ls  
'Calculo 3'  
'Carmen Soto Eric_2125696_28_8_2025.jpg:Zone.Identifier'  
'Inteligencia Artificial'  
ericc@Karer:~$ cat PkgInstallAgo25.txt  
Desired=Unknown/Install/Remove/Purge/Hold  
| Status=Not/Inst/Conf-files/Unpacked/halF-conf/Half-inst/trig-aWait/Trig-pend  
|/ Err?=(none)/Reinst-required (Status,Err: uppercase=bad)  
||/ Name Version Architecture Description  
+++=-----+-----+-----+-----+  
ii adduser 3.137ubuntu1 all add and remove users and groups  
ii adwaita-icon-theme 46.0-1 all default icon theme of GNOME  
ii apparmor 4.0.1really4.0.1-0ubuntu0.24.04.4 amd64 user-space parser utility for A  
ppArmor  
ii appport 2.28.1-0ubuntu3.8 all automatically generate crash re  
ports for debugging  
ii appport-core-dump-handler 2.28.1-0ubuntu3.8 all Kernel core dump handler for Ap  
port  
ii appport-symptoms 0.25 all symptom scripts for appport  
ii appstream 1.0.2-1build6 amd64 Software component metadata man  
agement  
ii apt 2.8.3 amd64 commandline package manager  
ii apt-utils 2.8.3 amd64 package management related util  
ity programs  
ii at-spi2-common 2.52.0-1build1 all Assistive Technology Service Pr  
ovider Interface (common files)  
ii at-spi2-core 2.52.0-1build1 amd64 Assistive Technology Service Pr  
ovider Interface (D-Bus core)  
ii base-files 13ubuntu10.3 amd64 Debian base system miscellaneou
```

5. Conclusión

Se logró listar todos los paquetes instalados, conocer el total de paquetes y generar un archivo de referencia. Esta información es útil para administración de sistemas, actualización de paquetes y auditorías de software.

Referencias

- [1]** Debian Documentation Team, "Debian Administrator's Handbook", <https://www.debian.org/doc/manuals/debian-handbook/>, 2023.
- [2]** Ubuntu Documentation, "Package Management", <https://help.ubuntu.com/community/PackageManagement>, 2023.
- [3]** R. Love, "Linux System Programming", 3rd Edition, O'Reilly Media, 2013.
- [4]** J. Negus, "Linux Bible", 10th Edition, Wiley, 2020.
- [5]** M. McGrath, "Mastering Linux Administration", Packt Publishing, 2019.