

Tarefas UD03

Bloque 02

Administración de sistemas operativos

*Unidade Didáctica 01:
Información do sistema*

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Data:



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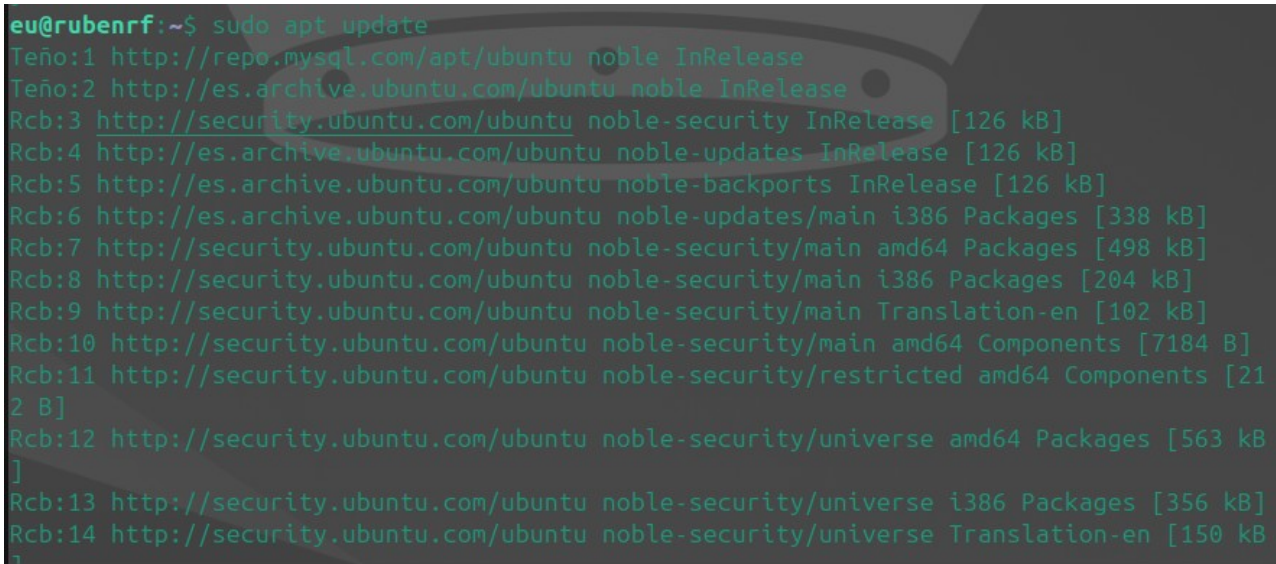
Tarefa 1. Xestión SW GNU/Linux

Para estas tarefas é necesario empregar distribucións con contorna gráfica (GNOME, CINAMON, KDE, XFCE...).

1.1. APT

Indica os pasos e os comandos necesarios en cada caso usando o sistema APT. Fai as capturas de pantalla que vexas necesarias.

1. Actualizar o listado e información dos paquetes dispoñibles nos repositorios.



```
eu@rubenrf:~$ sudo apt update
Teño:1 http://repo.mysql.com/apt/ubuntu noble InRelease
Teño:2 http://es.archive.ubuntu.com/ubuntu noble InRelease
Rcb:3 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Rcb:4 http://es.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Rcb:5 http://es.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Rcb:6 http://es.archive.ubuntu.com/ubuntu noble-updates/main i386 Packages [338 kB]
Rcb:7 http://security.ubuntu.com/ubuntu noble-security/main amd64 Packages [498 kB]
Rcb:8 http://security.ubuntu.com/ubuntu noble-security/main i386 Packages [204 kB]
Rcb:9 http://security.ubuntu.com/ubuntu noble-security/main Translation-en [102 kB]
Rcb:10 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [7184 B]
Rcb:11 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Components [21
2 B]
Rcb:12 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Packages [563 kB
]
Rcb:13 http://security.ubuntu.com/ubuntu noble-security/universe i386 Packages [356 kB]
Rcb:14 http://security.ubuntu.com/ubuntu noble-security/universe Translation-en [150 kB
]
```

2. Actualizar completamente todos os paquetes dispoñibles no SO sen preguntar/confirmar instalación.

```

eu@rubenrf:~$ sudo apt upgrade -y
Lendo as listas de paquetes... Feito
Construindo a árbore de dependencias... Feito
Lendo a información do estado... Feito
Calculando a anovación... Feito
Os seguintes paquetes NOVOS hanse instalar:
 libmalcontent-0-0
The following upgrades have been deferred due to phasing:
 python3-distupgrade shotwell shotwell-common ubuntu-release-upgrader-core
 ubuntu-release-upgrader-gtk
Vanse anovar os paquetes seguintes:
 acl alsa-ucm-conf apache2 apache2-bin apache2-data apache2-utils apparmor
 cloud-init distro-info-data dmidecode dmsetup firmware-sof-signed fonts-opensymbol
 fwupd gir1.2-gnomebluetooth-3.0 gir1.2-gtk-3.0 gir1.2-mutter-14
 gnome-bluetooth-3-common gnome-bluetooth-sendto gnome-control-center
 gnome-control-center-data gnome-control-center-faces gnome-initial-setup
 gnome-shell gnome-shell-common gnome-shell-extension-appindicator
 gnome-shell-extension-ubuntu-dock gstreamer1.0-pipewire gtk-update-icon-cache
 initramfs-tools initramfs-tools-bin initramfs-tools-core krb5-locales ldap-utils
 libacl1 libapparmor1 libaudit-common libaudit1 libboost-iostreams1.83.0
 libboost-locale1.83.0 libboost-thread1.83.0 libcryptsetup12 libdevmapper1.02.1
 libegl-mesa0 libfwupd2 libgbm1 libgl1-mesa-dri libglapi-mesa libglx-mesa0
 libgnome-bluetooth-3.0-13 libgnome-bluetooth-ui-3.0-13 libgssapi-krb5-2
 libgtk-3-0t64 libgtk-3-bin libgtk-3-common libk5crypto3 libkrb5-3 libkrb5support0
 libldap-common libldap2 libmutter-14-0 libmysqlclient21 libpipewire-0.3-0t64
 libpipewire-0.3-common libpipewire-0.3-modules libproc2-0 libreoffice-base-core
 libreoffice-calc libreoffice-common libreoffice-core libreoffice-draw
 libreoffice-gnome libreoffice-gtk3 libreoffice-help-common libreoffice-help-gl
 libreoffice-impress libreoffice-l10n-gl libreoffice-math libreoffice-style-colibre
 libreoffice-style-elementary libreoffice-style-yaru libreoffice-uiconfig-calc
 libreoffice-uiconfig-common libreoffice-uiconfig-draw libreoffice-uiconfig-impress
 libreoffice-uiconfig-math libreoffice-uiconfig-writer libreoffice-writer
 libspa-0.2-bluetooth libspa-0.2-modules libspeex1 libuno-cppu3t64

```

3. Eliminar os paquetes que xa non son necesarios tras actualizacións previas.

```

eu@rubenrf:~$ sudo apt autoremove
Lendo as listas de paquetes... Feito
Construindo a árbore de dependencias... Feito
Lendo a información do estado... Feito
0 anovados, 0 instalados, Vanse retirar 0 e deixar 142 sen anovar.
eu@rubenrf:~$

```

4. Cambiar os repositorios de software por un repositorio que estea en Europa pero non en España. Logo acutalizar de novo o listado.

```

GNU nano 7.2 /etc/apt/sources.list.d/ubuntu.sources *
Types: deb
URIs: deb http://fr.archive.ubuntu.com/ubuntu focal main restricted universe multiverse
Suites: noble noble-updates noble-backports
Components: main restricted universe multiverse
Signed-By: /usr/share/keyrings/ubuntu-archive-keyring.gpg

Types: deb
URIs: http://security.ubuntu.com/ubuntu/
Suites: noble-security
Components: main restricted universe multiverse
Signed-By: /usr/share/keyrings/ubuntu-archive-keyring.gpg

```

5. Busca paquetes que teñan o texto ssh.

```

weirdx/noble,noble 1.0.32-8 all
  Servidor de X en Java

whowatch/noble 1.8.6-1 amd64
  Real-time user logins monitoring tool

x11-session-utils/noble,now 7.7+6build2 amd64 [instalado,automático]
  X session utilities

x2gobroker-agent/noble 0.0.4.3-4 amd64
  X2Go Session Broker (remote agent)

x2gobroker-ssh/noble 0.0.4.3-4 amd64
  X2Go Session Broker (SSH broker)

x2goserver-xsession/noble,noble 4.1.0.6-1.1build1 all
  X2Go Server (Xsession runner)

ylva/noble 1.7-2build2 amd64
  command line password manager

ynew/noble,noble 1.5-1build2 all
  Open a named yakuake tab and runs a script in it

yubikey-agent/noble-updates,noble-security 0.1.4-2ubuntu0.24.04.2 amd64
  seamless ssh agent for YubiKeys

zsnapd/noble,noble 0.8.12-1 all
  ZFS Snapshot Daemon written in python

zsnapd-rcmd/noble,noble 0.8.12-1 all
  Remote sshd command checker for ZFS Snapshot Daemon

zssh/noble 1.5c.debian.1-10build2 amd64
  Transferencias de ficheiros interactivas sobre ssh

eu@rubenrf:~$ apt search ssh

```


6. Mostra información detallada sobre o paquete openssh-server.

```
eu@rubenrf:~$ apt show openssh-server
Package: openssh-server
Version: 1:9.6p1-3ubuntu13.5
Priority: optional
Section: net
Source: openssh
Origin: Ubuntu
Maintainer: Ubuntu Developers <ubuntu-devel-discuss@lists.ubuntu.com>
Original-Maintainer: Debian OpenSSH Maintainers <debian-ssh@lists.debian.org>
Bugs: https://bugs.launchpad.net/ubuntu/+filebug
Installed-Size: 2147 kB
Provides: ssh-server
Pre-Depends: init-system-helpers (>= 1.54~)
Depends: adduser, libpam-modules, libpam-runtime, lsb-base, openssh-client (= 1:9.6p1-3ubuntu13.5), openssh-sftp-server, procps, ucf, debconf (>= 0.5) | debconf-2.0, libaudit1 (>= 1:2.2.1), libc6 (>= 2.38), libcom-err2 (>= 1.43.9), libcrypt1 (>= 1:4.1.0), libgsapi-krb5-2 (>= 1.17), libkrb5-3 (>= 1.13-alpha1+dfsg), libpam0g (>= 0.99.7.1), libselinux1 (>= 3.1~), libssl3t64 (>= 3.0.13), libwrap0 (>= 7.6-4~), zlib1g (>= 1:1.1.4)
Recommends: default-logind | logind | libpam-systemd, ncurses-term, xauth, ssh-import-id
Suggests: molly-guard, monkeysphere, ssh-askpass, ufw
Conflicts: sftp, ssh-socks, ssh2
Replaces: openssh-client (<< 1:7.9p1-8), ssh, ssh-krb5
Homepage: https://www.openssh.com/
Task: cloud-minimal, cloud-image, server-live, openssh-server
Download-Size: 509 kB
APT-Sources: http://es.archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages
Description: Servidor de Consolas Seguras (SSH), para o acceso seguro desde máquinas remotas
.
Esta é a versión portátil de OpenSSH, unha implementación libre do protocolo de Consola Segura, tal e como especifica o grupo de traballo sobre secsh da IETF.
.
Ssh (Consola Segura) é un programa para acceder a unha máquina remota e
```

7. Instala o paquete openssh-server. Modifica o ficheiro de configuración do servidor SSH para que o porto de escoita sexa o 22222. Reinicia o servizo sshd e mostra que o equipo está a escoitar no porto indicando anteriormente.

```

amd64 1:9.6p1-3ubuntu13.5 [37,3 kB]
Rcb:2 http://es.archive.ubuntu.com/ubuntu noble-updates/main amd64 openssh-server amd64
1:9.6p1-3ubuntu13.5 [509 kB]
Rcb:3 http://es.archive.ubuntu.com/ubuntu noble/main amd64 ncurses-term all 6.4+2024011
3-1ubuntu2 [275 kB]
Rcb:4 http://es.archive.ubuntu.com/ubuntu noble/main amd64 ssh-import-id all 5.11-0ubun
tu2 [10,0 kB]
Obtivéronse 832 kB en 1s (621 kB/s)
Preconfigurando paquetes ...
Seleccionando o paquete openssh-sftp-server non seleccionado anteriormente.
(A ler a base de datos ... 215471 ficheiros ou directorios instalados actualmente.)
Preparando o desempaqetado de .../openssh-sftp-server_1%3a9.6p1-3ubuntu13.5_amd64.deb.
..
Desempaquetando openssh-sftp-server (1:9.6p1-3ubuntu13.5)...
Seleccionando o paquete openssh-server non seleccionado anteriormente.
Preparando o desempaqetado de .../openssh-server_1%3a9.6p1-3ubuntu13.5_amd64.deb...
Desempaquetando openssh-server (1:9.6p1-3ubuntu13.5)...
Seleccionando o paquete ncurses-term non seleccionado anteriormente.
Preparando o desempaqetado de .../ncurses-term_6.4+20240113-1ubuntu2_all.deb...
Desempaquetando ncurses-term (6.4+20240113-1ubuntu2)...
Seleccionando o paquete ssh-import-id non seleccionado anteriormente.
Preparando o desempaqetado de .../ssh-import-id_5.11-0ubuntu2_all.deb...
Desempaquetando ssh-import-id (5.11-0ubuntu2)...
A configurar openssh-sftp-server (1:9.6p1-3ubuntu13.5) ...
A configurar openssh-server (1:9.6p1-3ubuntu13.5) ...

Creating config file /etc/ssh/sshd_config with new version
Created symlink /etc/systemd/system/sockets.target.wants/ssh.socket → /usr/lib/systemd/
system/ssh.socket.
Created symlink /etc/systemd/system/ssh.service.requires/ssh.socket → /usr/lib/systemd/
system/ssh.socket.
A configurar ssh-import-id (5.11-0ubuntu2) ...
A configurar ncurses-term (6.4+20240113-1ubuntu2) ...
Procesando os disparadores de man-db (2.12.0-4build2)...
Procesando os disparadores de ufw (0.36.2-6)...
eu@rubenrf:~$ sudo apt install openssh-server

```

```

GNU nano 7.2 /etc/ssh/sshd_config *
# This is the sshd server system-wide configuration file. See
# sshd_config(5) for more information.

# This sshd was compiled with PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/>

# The strategy used for options in the default sshd_config shipped with
# OpenSSH is to specify options with their default value where
# possible, but leave them commented. Uncommented options override the
# default value.

Include /etc/ssh/sshd_config.d/*.conf

Port 22222

```



```
eu@rubenrf:~$ sudo systemctl restart sshd
Failed to restart sshd.service: Unit sshd.service not found.
eu@rubenrf:~$ sudo systemctl restart ssh.service
eu@rubenrf:~$
```

```
eu@rubenrf:~$ sudo apt install net-tools
Lendo as listas de paquetes... Feito
Construindo a árbore de dependencias... Feito
Lendo a información do estado... Feito
Os seguintes paquetes NOVOS hanse instalar:
  net-tools
0 anovados, 1 instalados, Vanse retirar 0 e deixar 142 sen anovar.
Ten que recibir 204 kB de arquivos.
Despois desta operación ocuparanse 811 kB de disco adicionais.
Rcb:1 http://es.archive.ubuntu.com/ubuntu noble/main amd64 net-tools amd64 2.10-0.1ubun
tu4 [204 kB]
Obtivéronse 204 kB en 0s (616 kB/s)
Seleccionando o paquete net-tools non seleccionado anteriormente.
(A ler a base de datos ... 218375 ficheiros ou directorios instalados actualmente.)
Preparando o desempaquetado de .../net-tools_2.10-0.1ubuntu4_amd64.deb...
Desempaquetando net-tools (2.10-0.1ubuntu4)...
A configurar net-tools (2.10-0.1ubuntu4) ...
Procesando os disparadores de man-db (2.12.0-4build2)...
eu@rubenrf:~$ sudo netstat -tuln | grep 22222
eu@rubenrf:~$
```

8. Deinstala openssh-server sen que se eliminen os ficheiros de configuración. Comproba que unha vez desinstalado, segue existindo o ficheiro de configuración manipulado no punto anterior.

```
eu@rubenrf:~$ sudo apt remove openssh-server
Lendo as listas de paquetes... Feito
Construindo a árbore de dependencias... Feito
Lendo a información do estado... Feito
Os seguintes paquetes foron instalados automaticamente e xa non son necesarios:
  ncurses-term openssh-sftp-server
Use «sudo apt autoremove» para eliminarlos.
Vanse RETIRAR os paquetes seguintes:
  openssh-server
0 anovados, 0 instalados, Vanse retirar 1 e deixar 142 sen anovar.
Despois desta operación liberaranse 2147 kB de espazo de disco.
Quere continuar? [S/n]
```

```
eu@rubenrf:~$ ls /etc/ssh/sshd_config
/etc/ssh/sshd_config
eu@rubenrf:~$
```


9. Desinstala agora openssh-server de forma que quede o SO libre de todo ficheiro de configuración, manuais ou outras dependencias. Comproba que se eliminou tamén o ficheiro manipulado anteriormente.

```
eu@rubenrf:~$ sudo apt purge openssh-server
Lendo as listas de paquetes... Feito
Construindo a árbore de dependencias... Feito
Lendo a información do estado... Feito
Os seguintes paquetes foron instalados automaticamente e xa non son necesarios:
  ncurses-term openssh-sftp-server
Use «sudo apt autoremove» para eliminalos.
Vanse RETIRAR os paquetes seguintes:
  openssh-server*
0 anovados, 0 instalados, Vanse retirar 1 e deixar 142 sen anovar.
Despois desta operación ocuparanse 0 B de disco adicionais.
Quere continuar? [S/n]
```

```
eu@rubenrf:~$ sudo apt autoremove
Lendo as listas de paquetes... Feito
Construindo a árbore de dependencias... Feito
Lendo a información do estado... Feito
Vanse RETIRAR os paquetes seguintes:
  ncurses-term openssh-sftp-server
0 anovados, 0 instalados, Vanse retirar 2 e deixar 142 sen anovar.
Despois desta operación liberaranse 4549 kB de espazo de disco.
Quere continuar? [S/n]
```

10. Investiga que son os PPA. Usando o comando adecuado (add-apt-repository), engade ao repositorio uns PPA que conteñan un software máis actualizado (ou simplemente que non estea dispoñible nos repositorios oficiais) dalgún software que vexas interesante ter a última versión (por exemplo: inkscape, telegram, bashtop, scribus, slimbook...).

```
eu@rubenrf:~$ sudo add-apt-repository ppa:inkscape.dev/stable
Repositorio: «Types: deb
URIs: https://ppa.launchpadcontent.net/inkscape.dev/stable/ubuntu/
Suites: noble
Components: main
»
Descrición:
The Inkscape Stable PPA is intended to provide the current supported release of Inkscape.
Máis información: https://launchpad.net/~inkscape.dev/+archive/ubuntu/stable
Estase a engadir o repositorio.
Prema [INTRO] para continuar ou Ctrl-c para cancelar.
```

```
eu@rubenrf:~$ sudo apt update
Teño:1 http://repo.mysql.com/apt/ubuntu noble InRelease
Teño:2 http://es.archive.ubuntu.com/ubuntu noble InRelease
Teño:3 http://es.archive.ubuntu.com/ubuntu noble-updates InRelease
Teño:4 http://es.archive.ubuntu.com/ubuntu noble-backports InRelease
Teño:5 http://security.ubuntu.com/ubuntu noble-security InRelease
Teño:6 https://ppa.launchpadcontent.net/inkscape.dev/stable/ubuntu noble InRelease
```

11. Unha vez engadido o repositorio, instala ou actualiza algún do software dispoñible non novo repositorio.

```
in auto mode
update-alternatives: using /usr/bin/import-im6.q16 to provide /usr/bin/import-im6 (import-im6) in auto mode
update-alternatives: using /usr/bin/identify-im6.q16 to provide /usr/bin/identify (identify) in auto mode
update-alternatives: using /usr/bin/identify-im6.q16 to provide /usr/bin/identify-im6 (identify-im6) in auto mode
update-alternatives: using /usr/bin/stream-im6.q16 to provide /usr/bin/stream (stream) in auto mode
update-alternatives: using /usr/bin/stream-im6.q16 to provide /usr/bin/stream-im6 (stream-im6) in auto mode
update-alternatives: using /usr/bin/display-im6.q16 to provide /usr/bin/display (display) in auto mode
update-alternatives: using /usr/bin/display-im6.q16 to provide /usr/bin/display-im6 (display-im6) in auto mode
update-alternatives: using /usr/bin/montage-im6.q16 to provide /usr/bin/montage (montage) in auto mode
update-alternatives: using /usr/bin/montage-im6.q16 to provide /usr/bin/montage-im6 (montage-im6) in auto mode
update-alternatives: using /usr/bin/mogrify-im6.q16 to provide /usr/bin/mogrify (mogrify) in auto mode
update-alternatives: using /usr/bin/mogrify-im6.q16 to provide /usr/bin/mogrify-im6 (mogrify-im6) in auto mode
A configurar libmagickcore-6.q16-7-extra:amd64 (8:6.9.12.98+dfsg1-5.2build2) ...
A configurar libimage-magick-q16-perl (8:6.9.12.98+dfsg1-5.2build2) ...
A configurar inkscape (1:1.4+202410161351+e7c3feb100-ubuntu24.04.1) ...
A configurar imagemagick (8:6.9.12.98+dfsg1-5.2build2) ...
A configurar libimage-magick-perl (8:6.9.12.98+dfsg1-5.2build2) ...
A configurar perlmagick (8:6.9.12.98+dfsg1-5.2build2) ...
Procesando os disparadores de desktop-file-utils (0.27-2build1)...
Procesando os disparadores de hicolor-icon-theme (0.17-2)...
Procesando os disparadores de gnome-menus (3.36.0-1.1ubuntu3)...
Procesando os disparadores de libc-bin (2.39-0ubuntu8.3)...
Procesando os disparadores de man-db (2.12.0-4build2)...
Procesando os disparadores de fontconfig (2.15.0-1.1ubuntu2)...
eu@rubenrf:~$ sudo apt install inkscape
```

12. Usando o mesmo comando para engadir o repositorio anterior, agora elimina o repositorio e actualiza o SO.
13. Usando **aptitude**, busca, instala e finalmente desinstala un paquete a túa elección.


```

eu@rubenrf:~$ sudo aptitude remove curl
Os seguintes paquetes hanse ELIMINAR:
  curl
0 paquetes actualizados, 0 instalados, 1 hanse eliminar e 139 sen actualizar.
Hai que recibir 0 B de arquivos. Despois de desempaquetar hanse liberar 534 kB.
(A ler a base de datos ... 223878 ficheiros ou directorios instalados actualmente.)
Retirando curl (8.5.0-2ubuntu10.5)...
Procesando os disparadores de man-db (2.12.0-4build2)...

eu@rubenrf:~$ █

```

```

eu@rubenrf:~$ sudo aptitude install curl
Os seguintes paquetes NOVOS hanse instalar:
  curl
0 paquetes actualizados, 1 instalados, 0 hanse eliminar e 139 sen actualizar.
Hai que recibir 227 kB de arquivos. Despois de desempaquetar hanse ocupar 534 kB.
Rcb: 1 http://es.archive.ubuntu.com/ubuntu noble-updates/main amd64 curl amd64 8.5.0-2u
buntu10.5 [227 kB]
Recibíronse 227 kB en 1s (278 kB/s)
Seleccionando o paquete curl non seleccionado anteriormente.
(A ler a base de datos ... 223871 ficheiros ou directorios instalados actualmente.)
Preparando o desempaquetado de .../curl_8.5.0-2ubuntu10.5_amd64.deb...
Desempaquetando curl (8.5.0-2ubuntu10.5)...
A configurar curl (8.5.0-2ubuntu10.5) ...
Procesando os disparadores de man-db (2.12.0-4build2)...

eu@rubenrf:~$ █

```

1.2. DPKG

Indica os pasos e os comandos necesarios en cada caso usando DPKG. Fai as capturas de pantalla que vexas necesarias.

1. Lista todos os paquetes instalados no SO.

```

eu@rubenrf:~$ dpkg -l
Desexado=(U)Descoñecido/Instalar/retiraR/Purgar/(H)reter
| Estado=Non/Instalado/ficheiros-Config/desempaquetado/medio-config/(H)medio-inst/(W)e
|/ Err?=(ningún)/Require-reinstalar (Estado,Err: maiúscula=incorrecto)
|/ Nome                                     Versión
+++-----+-----+-----+-----+-----+-----+-----+-----+
ii accountsservice                        23.13.9-2ubuntu6
ii acl                                    2.3.2-1build1
ii adduser                                3.137ubuntu1
ii adwaita-icon-theme                     46.0-1
ii alsa-base                              1.0.25+dfsg-0ubuntu7
ii alsa-topology-conf                     1.2.5.1-2
ii alsa-ucm-conf                          1.2.10-1ubuntu5
ii alsa-utils                             1.2.9-1ubuntu5
ii amd64-microcode                        3.20231019.1ubuntu2.1
ii anacron                                2.3-39ubuntu2
ii apache2                                2.4.58-1ubuntu8.4
ii apache2-bin                            2.4.58-1ubuntu8.4
ii apache2-data                           2.4.58-1ubuntu8.4
ii apache2-utils                          2.4.58-1ubuntu8.4
ii apg                                    2.2.3.dfsg.1-5build3
ii apparmor                               4.0.1really4.0.0-beta3-0ubuntu0.1
ii apport                                  2.28.1-0ubuntu3.1
ii apport-core-dump-handler               2.28.1-0ubuntu3.1
ii apport-gtk                             2.28.1-0ubuntu3.1
ii apport-symptoms                        0.25
ii appstream                              1.0.2-1build6
ii apt                                     2.7.14build2
ii apt-config-icons                       1.0.2-1build6
ii apt-config-icons-hidpi                 1.0.2-1build6
ii apt-utils                              2.7.14build2
ii aptdaemon                              1.1.1+bzr982-0ubuntu44
ii aptdaemon-data                         1.1.1+bzr982-0ubuntu44
ii aptitude                               0.8.13-5ubuntu5
ii aptitude-common                        0.8.13-5ubuntu5
ii ...

```

2. Mostra estado e información do paquete grep.

```
eu@rubenrf:~$ dpkg -s grep
Package: grep
Essential: yes
Status: install ok installed
Priority: required
Section: utils
Installed-Size: 344
Maintainer: Ubuntu Developers <ubuntu-devel-discuss@lists.ubuntu.com>
Architecture: amd64
Multi-Arch: foreign
Version: 3.11-4build1
Provides: rgrep
Pre-Depends: libc6 (>= 2.38), libpcre2-8-0 (>= 10.32)
Conflicts: rgrep
Description: GNU grep, egrep and fgrep
 'grep' is a utility to search for text in files; it can be used from the
 command line or in scripts.  Even if you don't want to use it, other packages
 on your system probably will.
.
The GNU family of grep utilities may be the "fastest grep in the west".
GNU grep is based on a fast lazy-state deterministic matcher (about
twice as fast as stock Unix egrep) hybridized with a Boyer-Moore-Gosper
search for a fixed string that eliminates impossible text from being
considered by the full regexp matcher without necessarily having to
look at every character. The result is typically many times faster
than Unix grep or egrep. (Regular expressions containing backreferencing
will run more slowly, however.)
Homepage: https://www.gnu.org/software/grep/
Original-Maintainer: Anibal Monsalve Salazar <anibal@debian.org>
eu@rubenrf:~$
```

3. Descarga e instala FreeFileSync a través do paquete .deb.

```
eu@rubenrf:~$ wget http://ftp.de.debian.org/debian/pool/main/f/freefilesync/freefilesyn
c_12.0-2_amd64.deb
--2024-12-09 09:52:27-- http://ftp.de.debian.org/debian/pool/main/f/freefilesync/freef
ilesync_12.0-2_amd64.deb
Resolvendo ftp.de.debian.org (ftp.de.debian.org)... 141.76.2.4, 2a13:dd80:deb::deb
Conectando con ftp.de.debian.org (ftp.de.debian.org)|141.76.2.4|:80... conectado.
Petición HTTP enviada, agardando unha resposta... 200 OK
Lonxitude: 4209528 (4,0M) [application/vnd.debian.binary-package]
Gardando en: 'freefilesync_12.0-2_amd64.deb'

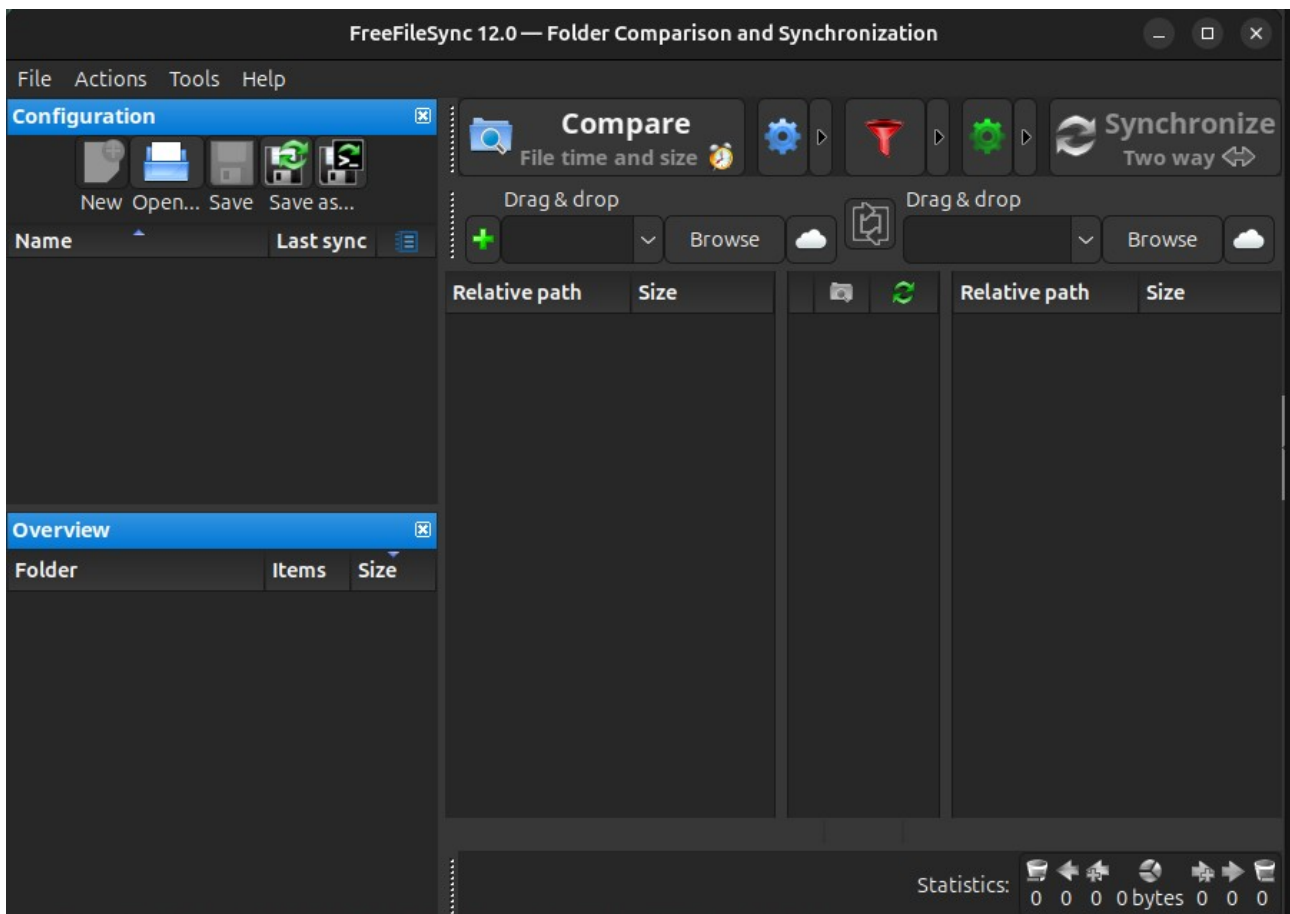
freefilesync_12.0-2_a 100%[=====] 4,01M 2,57MB/s in 1,6s

2024-12-09 09:52:29 (2,57 MB/s) - gardouse 'freefilesync_12.0-2_amd64.deb' [4209528/420
9528]

eu@rubenrf:~$
```

```
eu@rubenrf:~$ sudo dpkg -i freefilesync_12.0-2_amd64.deb
(A ler a base de datos ... 223992 ficheiros ou directorios instalados actualmente.)
Preparando o desempaqetado de freefilesync_12.0-2_amd64.deb...
Desempaquetando freefilesync (12.0-2) sobre (12.0-2)...
A configurar freefilesync (12.0-2) ...
Procesando os disparadores de gnome-menus (3.36.0-1ubuntu3)...
Procesando os disparadores de desktop-file-utils (0.27-2build1)...
Procesando os disparadores de hicolor-icon-theme (0.17-2)...
Procesando os disparadores de man-db (2.12.0-4build2)...
Procesando os disparadores de shared-mime-info (2.4-4)...
eu@rubenrf:~$
```


4. Comproba que o software anterior é funcional.



5. Desinstala o paquete FreeFileSync.

```
eu@rubenrf:~$ sudo dpkg --purge freefilesync
(A ler a base de datos ... 223992 ficheiros ou directorios instalados actualmente.)
Retirando freefilesync (12.0-2)...
Procesando os disparadores de man-db (2.12.0-4build2)...
Procesando os disparadores de shared-mime-info (2.4-4)...
```

1.3. SNAP vs Applmage vs Flatpack

1. Investiga en que consiste cada un dos sistemas de distribución de sw indicados e cubre a seguinte táboa:

Sistema distribución	Características	Vantaxes e desvantaxes
SNAP	Desenvolvido por Canonical, usa contedores e é compatible con calquera distribución Linux.	<p>Instalación sinxela, actualizacións automáticas e aísla dependencias do sistema.</p> <p>Ocupa máis espazo e pode ser máis lento debido ás dependencias incluídas.</p>
Flatpack	Enfoque independente de distribucións, usa contedores para aplicacións de escritorio.	<p>Compatible con varias distros, ofrece aillamento e maior seguridade.</p> <p>Pode ter menor integración en sistemas non compatibles e a xestión de permisos pode ser complexa.</p>
AppImage	Software portátil en único ficheiro executábel, non require instalación.	<p>Alta portabilidade, non precisa privilexios de administrador e é fácil de usar.</p> <p>Non ten xestión centralizada de actualizacións e require permisos manuais para executar.</p>

2. Nunha distribución de GNU/Linux con contorna gráfica, instala un SW con GUI mediante **SNAP**. Indica os pasos seguidos, facendo as capturas que vexas necesarias.

```

eu@rubenrf:~$ sudo apt install snapd
Lendo as listas de paquetes... Feito
Construindo a árbore de dependencias... Feito
Lendo a información do estado... Feito
Os seguintes paquetes foron instalados automaticamente e xa non son necesarios:
  libssh2-1t64 libwxbase3.2-1t64 libwxgtk3.2-1t64
Use «sudo apt autoremove» para eliminalos.
Vanse anovar os paquetes seguintes:
  snapd
1 anovados, 0 instalados, Vanse retirar 0 e deixar 138 sen anovar.
Ten que recibir 30,0 MB de arquivos.
Despois desta operación ocuparanse 5501 kB de disco adicionais.
Rcb:1 http://es.archive.ubuntu.com/ubuntu noble-updates/main amd64 snapd amd64 2.66.1+2
4.04 [30,0 MB]
Obtivéronse 30,0 MB en 9s (3396 kB/s)
(A ler a base de datos ... 223914 ficheiros ou directorios instalados actualmente.)
Preparando o desempaquetado de .../snapd_2.66.1+24.04_amd64.deb...
Desempaquetando snapd (2.66.1+24.04) sobre (2.63.1+24.04)...
A configurar snapd (2.66.1+24.04) ...
A instalar a nova versión do ficheiro de configuración /etc/apparmor.d/usr.lib.snapd.sn
ap-confine.real ...

snapd.failure.service is a disabled or a static unit not running, not starting it.
snapd.snap-repair.service is a disabled or a static unit not running, not starting it.
Procesando os disparadores de gnome-menus (3.36.0-1ubuntu3)...
Procesando os disparadores de man-db (2.12.0-4build2)...
Procesando os disparadores de dbus (1.14.10-4ubuntu4.1)...
Procesando os disparadores de desktop-file-utils (0.27-2build1)...
eu@rubenrf:~$

```

```
eu@rubenrf:~$ snap find vlc
```

Nome	Versión	Editor	Notas	Resumo
vlc	3.0.20-1-g2617de71b6	videolan✓	-	The ultimate media playe
orion-desktop	3.0.0	keshavnrij★	-	Complete torrent client
and streamer for	Linux Desktop			
audio-sharing	0.2.2	soumyadghosh★	-	Share your computer audi
o				
gridplayer	0.5.2	vzhd1701	-	Play multiple videos sid
e-by-side				
ustreamer	6.18	pgentili	-	Lightweight and fast MJP
EG-HTTP streamer				
mjpg-streamer	2.0	ogra	-	UVC webcam streaming too
l				
audio-recorder	3.0.5+rev1432+pkg-7b07	brlin	-	A free audio-recorder fo
r Linux (EXTREMELY BUGGY)				
kycli	0+git.9591d6e	dvlc	-	The command line interfa
ce to the unofficialKYC platform.				
peerflix	v0.39.0+git1.df28e20	pmagill	-	Streaming torrent client
for Node.js				
test-streamlink	1.4.1-64-g599f362e	addq1eax	-	test-Streamlink

```
eu@rubenrf:~$
```

```
eu@rubenrf:~$ sudo snap install vlc
```

Descargar o snap "core18" (2846) da canle "stable" 62% 7.61MB/s 2.91s

```
eu@rubenrf:~$ sudo snap install vlc
```

vlc 3.0.20-1-g2617de71b6 from VideoLAN✓ installed

```
eu@rubenrf:~$
```

3. Nunha distribución de GNU/Linux con contorna gráfica, instala un SW con GUI mediante Flatpak. Indica os pasos seguidos, facendo as capturas que vexas necesarias.


```

eu@rubenrf:~$ sudo apt install flatpak
Lendo as listas de paquetes... Feito
Construindo a árbore de dependencias... Feito
Lendo a información do estado... Feito
Os seguintes paquetes foron instalados automaticamente e xa non son necesarios:
  libssh2-1t64 libwxbase3.2-1t64 libwxgtk3.2-1t64
Use «sudo apt autoremove» para eliminálos.
Instalaranse os paquetes adicionais seguintes:
  libmalcontent-0-0 libostree-1-1
Paquetes suxeridos:
  malcontent-gui
Os seguintes paquetes NOVOS hanse instalar:
  flatpak libmalcontent-0-0 libostree-1-1
0 anovados, 3 instalados, Vanse retirar 0 e deixar 138 sen anovar.
Ten que recibir 1745 kB de arquivos.
Despois desta operación ocuparanse 6553 kB de disco adicionais.
Quere continuar? [S/n] s
Rcb:1 http://es.archive.ubuntu.com/ubuntu noble-updates/main amd64 libmalcontent-0-0 am
d64 0.11.1-1ubuntu1 [22,3 kB]
Rcb:2 http://es.archive.ubuntu.com/ubuntu noble/universe amd64 libostree-1-1 amd64 2024
.5-1build2 [373 kB]
Rcb:3 http://es.archive.ubuntu.com/ubuntu noble-updates/universe amd64 flatpak amd64 1.
14.6-1ubuntu0.1 [1350 kB]
Obtivéronse 1745 kB en 2s (1118 kB/s)
Seleccionando o paquete libmalcontent-0-0:amd64 non seleccionado anteriormente.
(A ler a base de datos ... 223787 ficheiros ou directorios instalados actualmente.)
Preparando o desempaqetado de .../libmalcontent-0-0_0.11.1-1ubuntu1_amd64.deb...

```

```

eu@rubenrf:~$ flatpak search vlc

```

Nome	Description	Application ID	Version	Rama	Remotes
Pause Clic...	VLC plugin that allows to paus...	...Plugin.pause_click	2.2.0	3-23.08	flathub
Pause Clic...	VLC plugin that allows to paus...	...Plugin.pause_click	2.2.0	3-22.08	flathub
VLC	VLC media player, the open-sou...	org.videolan.VLC	3.0.21	stable	flathub
MakeMKV pl...	Provides MakeMKV features for ...	...VLC.Plugin.makemkv	1.17.8	3-23.08	flathub
MakeMKV pl...	Provides MakeMKV features for ...	...VLC.Plugin.makemkv	1.17.5	3-22.08	flathub
MakeMKV pl...	Provides MakeMKV features for ...	...VLC.Plugin.makemkv	1.16.7	3-21.08	flathub
MakeMKV pl...	Provides MakeMKV features for ...	...VLC.Plugin.makemkv		3-20.08	flathub
MakeMKV pl...	Provides MakeMKV features for ...	...VLC.Plugin.makemkv		3-19.08	flathub
Bluray Jav...	Provides Bluray Java menus (BD...	...lan.VLC.Plugin.bdj		3-23.08	flathub
Bluray Jav...	Provides Bluray Java menus (BD...	...lan.VLC.Plugin.bdj		3-22.08	flathub
Bluray Jav...	Provides Bluray Java menus (BD...	...lan.VLC.Plugin.bdj		3-21.08	flathub
Bluray Jav...	Provides Bluray Java menus (BD...	...lan.VLC.Plugin.bdj		3-20.08	flathub
Bluray Jav...	Provides Bluray Java menus (BD...	...lan.VLC.Plugin.bdj		3-19.08	flathub
FDK-AAC En...	Provides better AAC encoding a...	...VLC.Plugin.fdkaac		3-23.08	flathub
FDK-AAC En...	Provides better AAC encoding a...	...VLC.Plugin.fdkaac		3-22.08	flathub
FDK-AAC En...	Provides better AAC encoding a...	...VLC.Plugin.fdkaac		3-21.08	flathub
FDK-AAC En...	Provides better AAC encoding a...	...VLC.Plugin.fdkaac		3-20.08	flathub
FDK-AAC En...	Provides better AAC encoding a...	...VLC.Plugin.fdkaac		3-19.08	flathub
GridPlayer	Play videos side-by-side	...zhd1701.gridplayer	0.5.3	stable	flathub
Torrhunt	Torrent Search Engine	...ktechpit.torrhunt	1.6	stable	flathub
Orion Torr...	Complete torrent client and st...	com.ktechpit.orion	3.0.0	stable	flathub
Commercial...	Provides commercial DVD suppor...	...ghb.Plugin.dvdcss	1.4.3	1	flathub
MediathekV...	Access public German TV Mediat...	...view.MediathekView	14.1.0	stable	flathub
Audio Shar...	Comparta o son do seu computad...	...felix.AudioSharing	0.2.4	stable	flathub

```

eu@rubenrf:~$

```

```

eu@rubenrf:~$ flatpak install flathub org.videolan.VLC

Note that the directories

'/var/lib/flatpak/exports/share'
'/home/eu/.local/share/flatpak/exports/share'

are not in the search path set by the XDG_DATA_DIRS environment variable, so
applications installed by Flatpak may not appear on your desktop until the
session is restarted.

Looking for matches...
Required runtime for org.videolan.VLC/x86_64/stable (runtime/org.kde.Platform/x86_64/5.
15-23.08) found in remote flathub
Do you want to install it? [Y/n]: y

org.videolan.VLC permissions:
  ipc                network                pulseaudio                x11
  devices            file access [1]          dbus access [2]          bus ownership [3]

[1] host, xdg-config/kdeglobals:ro, xdg-run/gvfs
[2] com.canonical.AppMenu.Registrar, org.freedesktop.ScreenSaver,
    org.freedesktop.secrets, org.kde.KGlobalSettings,
    org.kde.StatusNotifierWatcher, org.kde.kconfig.notify, org.kde.kwalletd,
    org.kde.kwalletd5, org.mpris.MediaPlayer2.Player
[3] org.mpris.MediaPlayer2.vlc

ID                                     Rama      Op Remote  Desc
argar
1. [ \ ] org.freedesktop.Platform.GL.default      23.08      i  flathub    1
8,9 MB / 163,9 MB
2. [   ] org.freedesktop.Platform.GL.default      23.08-extra i  flathub    < 16
3,9 MB
3. [   ] org.freedesktop.Platform.openh264        2.2.0      i  flathub    < 94

```

4. Nunha distribución de GNU/Linux con contorna gráfica, instala un SW con GUI mediante **AppImage**. Indica os pasos seguidos, facendo as capturas que vexas necesarias.

```

eu@rubenrf:~$ wget https://inkscape.org/gallery/item/13333/Inkscape-1.2.2-x86_64.AppImage
eu@rubenrf:~$ wget https://inkscape.org/gallery/item/13333/Inkscape-1.2.2-x86_64.AppImage

```

5. Unha vez traballado cos tres sistemas de distribución de software, segundo a túa opinión, cal che parece máis interesante (razoa a resposta).

A min, **Flatpak** parece o máis interesante. É compatible con moitas distribucións de Linux, o que fai que as aplicacións funcionen de maneira consistente en distintos sistemas. O uso de contedores tamén mellora a seguridade ao illar as aplicacións. Aínda que a xestión de permisos pode ser algo complicada, o repositorio **Flathub** ten unha gran variedade de aplicacións actualizadas. Comparado con **Snap**, Flatpak é máis eficiente en termos de espazo e rendemento, o que o fai máis atractivo para min.

1.4. RPM & YUM (opcional)

Nun SO con soporte de RPM e YUM, trata de levar a cabo na medida do posible os primeiros 9 pasos do apartado 1.1 APT.

- 1.

1.5. PACMAN (opcional)

Nun SO con soporte de PACMAN, trata de levar a cabo na medida do posible os primeiros 9 pasos do apartado 1.1 APT.

- 1.

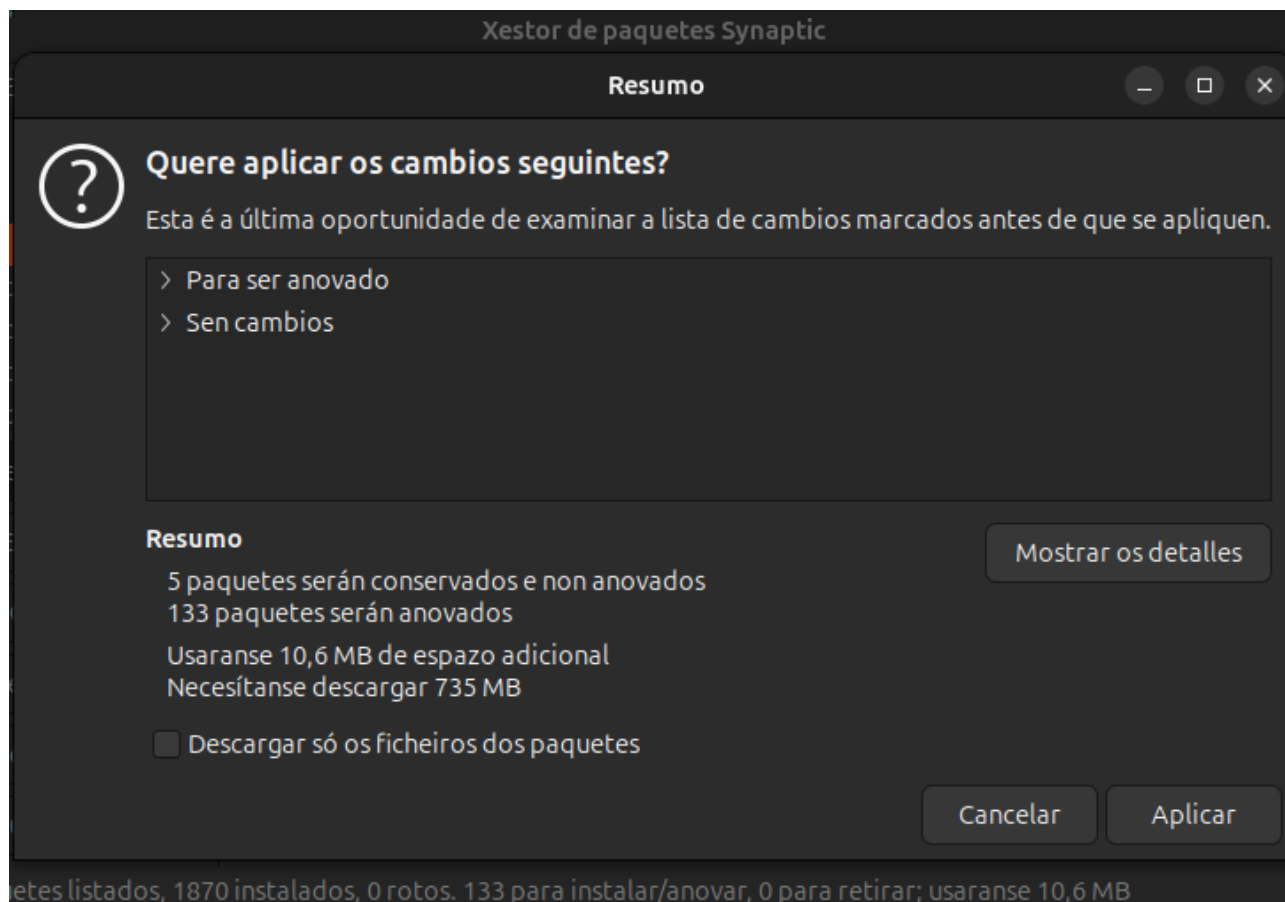
1.6. Xestores gráficos

Usando un xestor gráfico como Synaptic (ou similar), trata de reproducir os pasos do apartado 1.1 APT. Fai as capturas de pantalla que vexas necesarias.

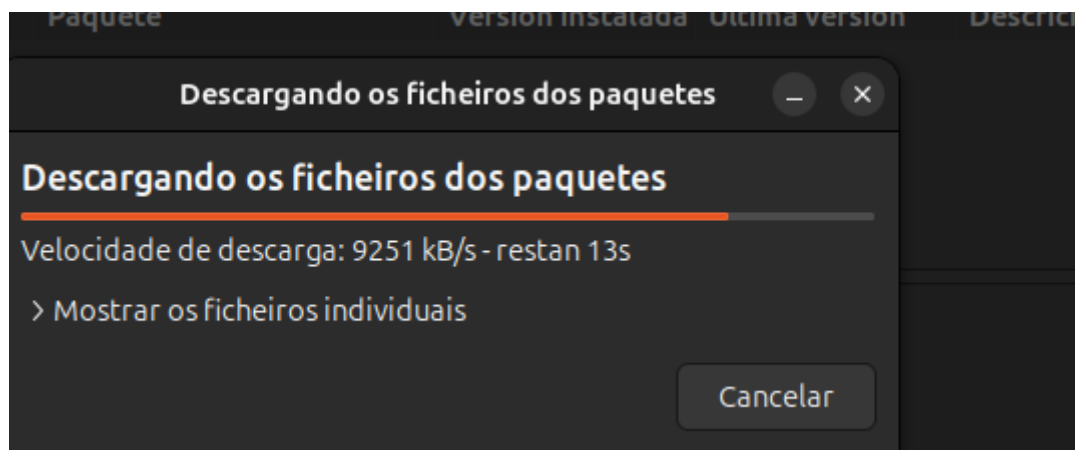
- 1.

```
eu@rubenrf:~$ sudo apt install synaptic
[sudo] Contraseña de eu:
Lendo as listas de paquetes... Feito
Construindo a árbore de dependencias... Feito
Lendo a información do estado... Feito
synaptic xa é a versión máis recente (0.91.3build4).
Os seguintes paquetes foron instalados automaticamente e xa non son necesarios:
  libmalcontent-0-0 libostree-1-1 libssh2-1t64 libwxbase3.2-1t64 libwxgtk3.2-1t64
Use «sudo apt autoremove» para eliminalos.
0 anovados, 0 instalados, Vanse retirar 0 e deixar 138 sen anovar.
eu@rubenrf:~$
```


3



4



Recargar

Marcar todas as anovacións

Aplicar

Propiedades

Buscar

Todo

Instalado

Instalado (anovábel)

Instalado (local ou obsoleto)

Instalado (manual)

Instalado (retirábel automaticamente)

Non instalado

Non instalado (configuración automática)

Seccións

Estado

Orixe

Filtros personalizados

Resultados da busca

Arquitectura

E	Paquete	Versión instalada	Última versión	Descrición
	inkscape	1:1.4+2024101613!	1:1.4+2024101613!	vector-based drawing pro
	mysql-apt-config	0.8.32-1	0.8.32-1	Auto configuration for My

Auto configuration for MySQL APT Repo.

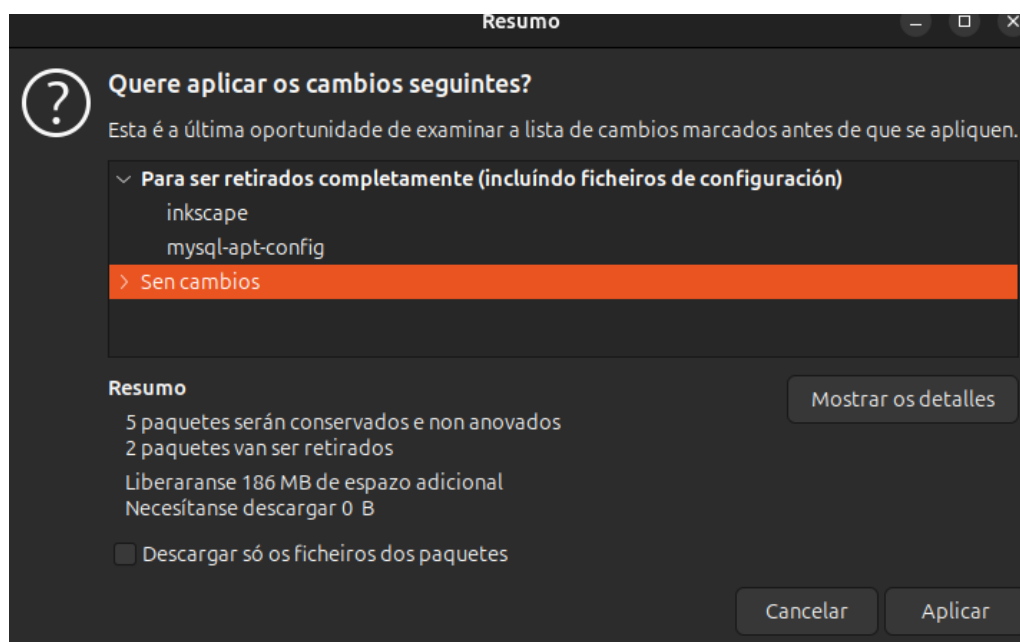
Obter unha captura da pantalla

Obter o rexistro de cambios

[Visitar páxina web](#)

MySQL is a fast, stable and true multi-user, multi-threaded SQL database server. SQL (Structured Query Language) is the most popular database query language in the world. The main goals of MySQL are speed, robustness and ease of use.

2 paquetes listados, 1870 instalados, 0 rotos. 0 para instalar/anovar, 2 para retirar; liberaranse 186 MB



Software e actualizacións

Software de Ubuntu

Outro software

Actualizacións

Autenticación

Controladores adicionais

Opcións do deseño

Descargábeis desde a Internet

☒ Software libre e de código aberto mantido por Canonical (main)

☒ Software libre e de código aberto mantido pola comunidade (universe)

☒ Controladores propietarios de dispositivos (restricted)

☒ Software restrinxido por razóns de copyright ou legais (multiverse)

☐ Código fonte

Descargar desde:

Servidor desde España

Instalábel desde CDROM/DVD

Para instalar desde un CD-ROM ou DVD, coloque o medio no lector.

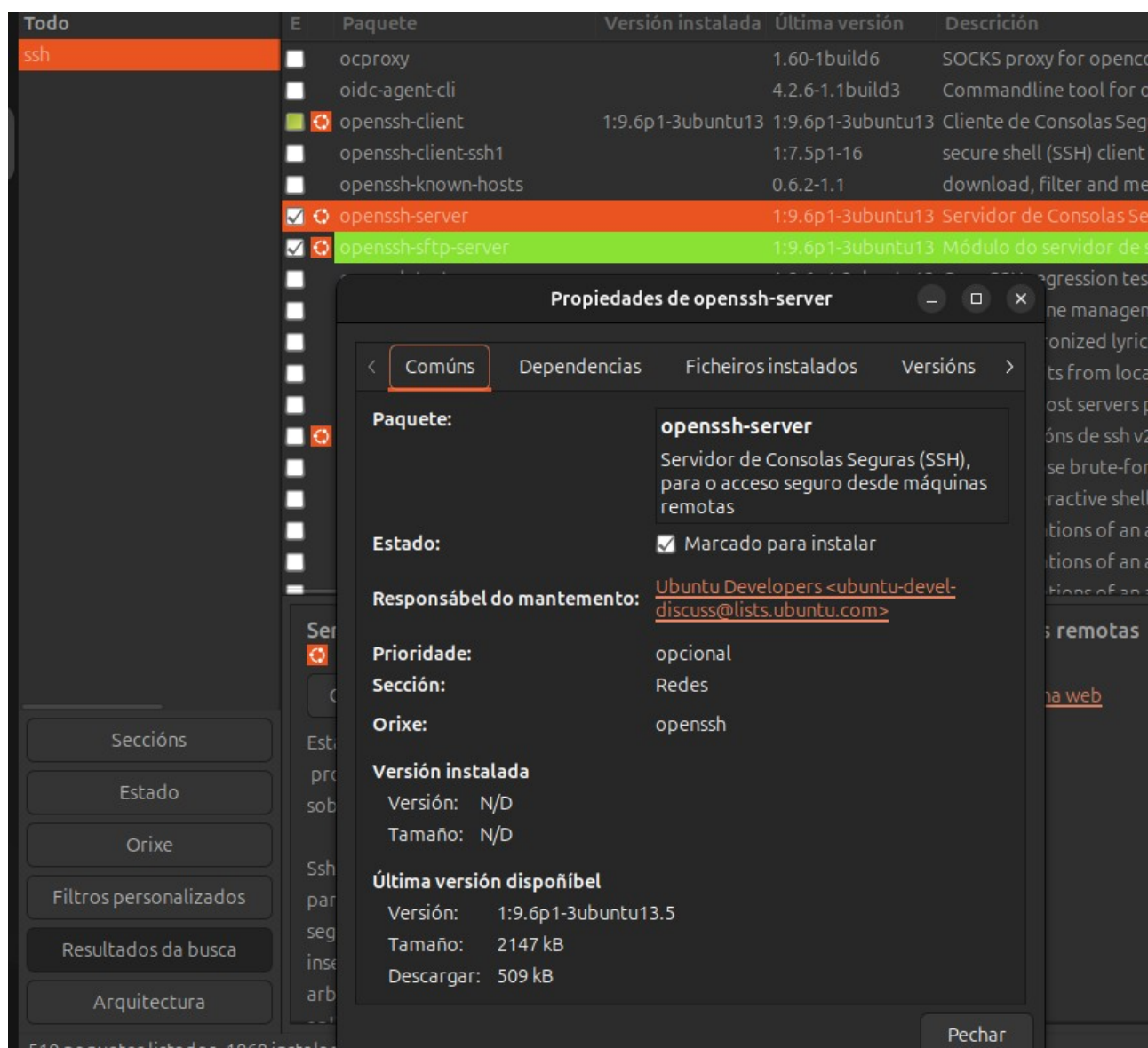
Todo	E	Paquete	Versión instalada	Última versión	Descripción
ssh	<input type="checkbox"/>	slack		1:0.15.2-11	configuration management
	<input type="checkbox"/>	slbackup		0.0.12-13	Skolelinux Backup system
	<input type="checkbox"/>	slbackup-php		0.4.5-5	Web-based administration t
	<input type="checkbox"/>	slop		7.6-4build1	queries for a selection from
	<input type="checkbox"/>	sphde-utils		1.4.0-5.1build1	Shared Persistent Heap Data
	<input type="checkbox"/>	spiped		1.6.2-3build2	create secure pipes between
	<input checked="" type="checkbox"/>	ssh		1:9.6p1-3ubuntu13	Cliente e servidor de consola
	<input type="checkbox"/>	ssh-agent-filter		0.5.2-1build7	filtering proxy for ssh-agent
	<input type="checkbox"/>	ssh-askpass		1:1.2.4.1-16build2	under X, asks user for a pass
	<input type="checkbox"/>	ssh-askpass-fullscreen		1.3-1build2	Asks in full-screen for a pass
	<input type="checkbox"/>	ssh-askpass-gnome		1:9.6p1-3ubuntu13	Programa interactivo para X
	<input type="checkbox"/>	ssh-audit		3.1.0-1	tool for ssh server auditing
	<input type="checkbox"/>	ssh-contact		0.7-1.1build4	establish SSH connections to
	<input type="checkbox"/>	ssh-contact-client		0.7-1.1build4	establish SSH connections to
	<input type="checkbox"/>	ssh-contact-service		0.7-1.1build4	establish SSH connections to
	<input type="checkbox"/>	ssh-cron		1.04.01-1	cron daemon allowing ssh ke
	<input checked="" type="checkbox"/>	ssh-import-id	5.11-0ubuntu2	5.11-0ubuntu2	Obteña unha clave pública d
	<input type="checkbox"/>	ssh-tools		1.7-2	collection of various tools us

Cliente e servidor de consola seguro (meta-paquete)

[Obter unha captura da pantalla](#)
[Obter o rexistro de cambios](#)
[Visitar páxina web](#)

Este meta-paquete é unha maneira cómoda de instalar tanto co cliente de

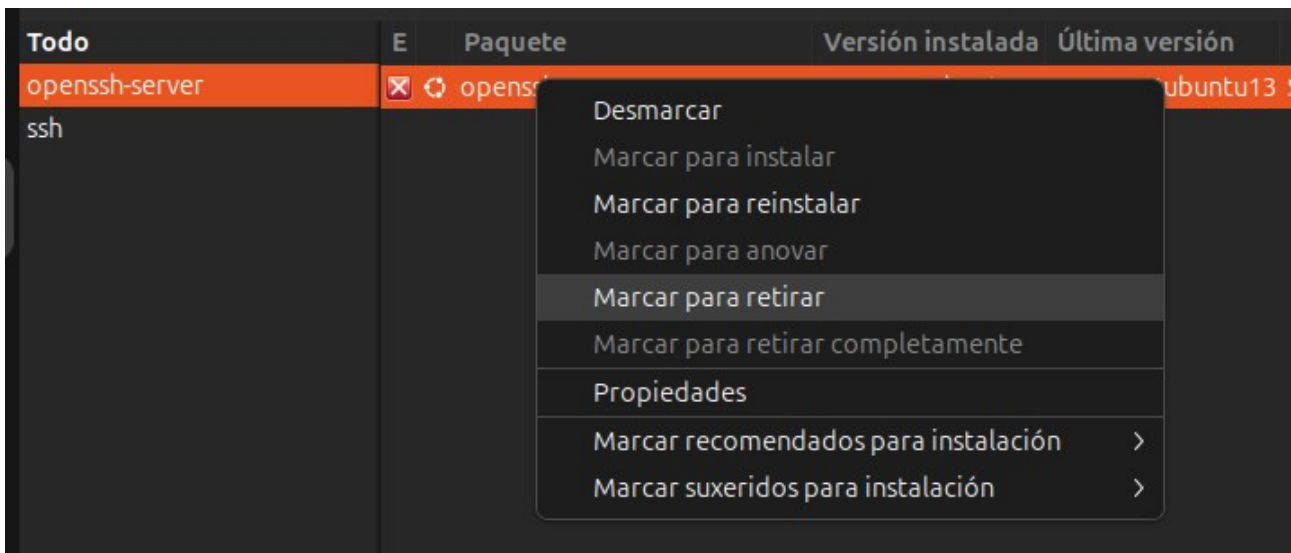
8



9

una vez marcados darle a aplicar

10



11

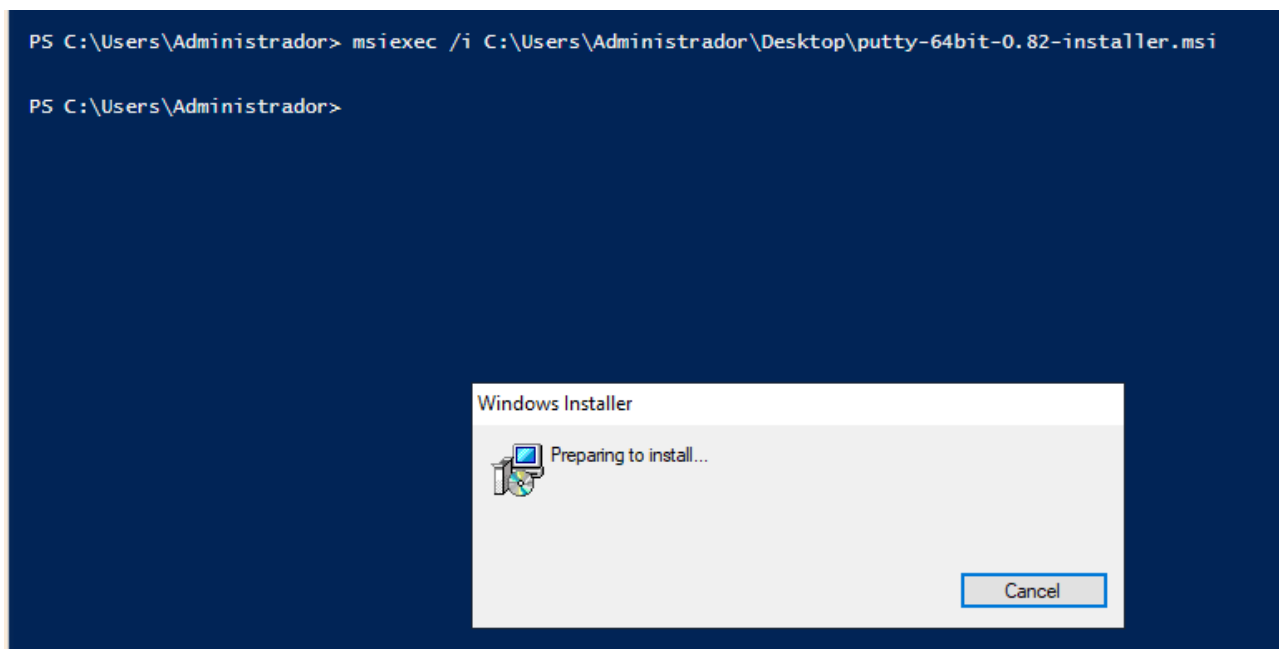
Marcar para retirar completamente y aplicar

Tarefa 2. Xestión SW en Windows

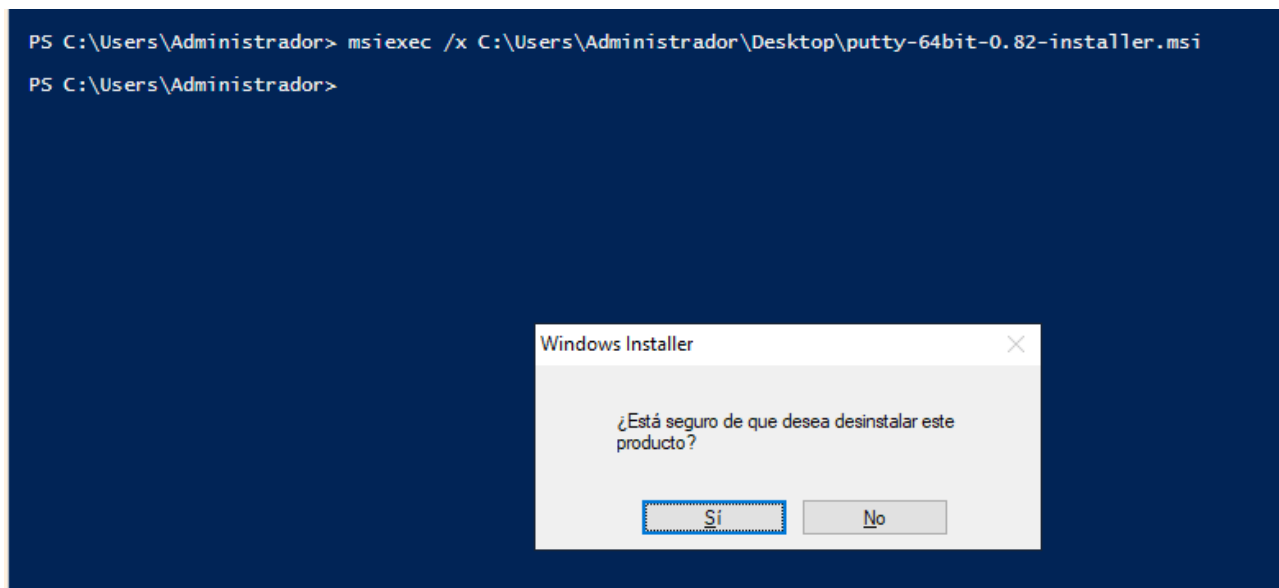
2.1. *msiexec*

Descarga dende sourceforge ou a páxina oficial o ficheiros .msi de Putty (cliente SSH para Windows). Usando o comando msiexec, instalar (e desinstalar previamente)

1. Instalar o paquete MSI sen máis opcións.



2. Desinstalar o paquete MSI anterior.

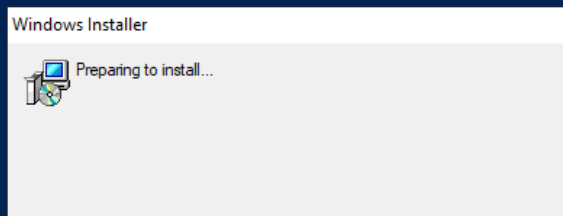


3. Fai agora unha instalación silenciosa. Durante a instalación crear un rexistro de instalación no ficheiro `c:\tmp\msi-install.log`.

```
s\Administrador> msisexec /i C:\Users\Administrador\Desktop\putty-64bit-0.82-installer.msi /quiet /log C:\tmp\msi-install.log
s\Administrador> |
```

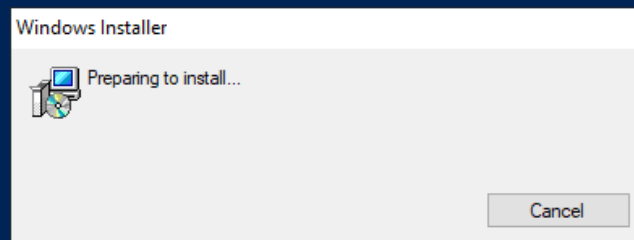
4. Fai unha instalación pasiva do paquete MSI.

```
PS C:\Users\Administrador> msisexec /i C:\Users\Administrador\Desktop\putty-64bit-0.82-installer.msi /passive
PS C:\Users\Administrador>
```



5. Realizar unha instalación administrativa.

```
PS C:\Users\Administrador> msisexec /a C:\Users\Administrador\Desktop\putty-64bit-0.82-installer.msi
PS C:\Users\Administrador>
```

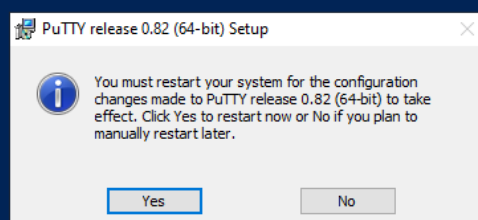


6. Instalar o paquete msi e establecer o directorio de instalación como `C:\putty`. Forzar o reinicio unha vez rematada a instalación.

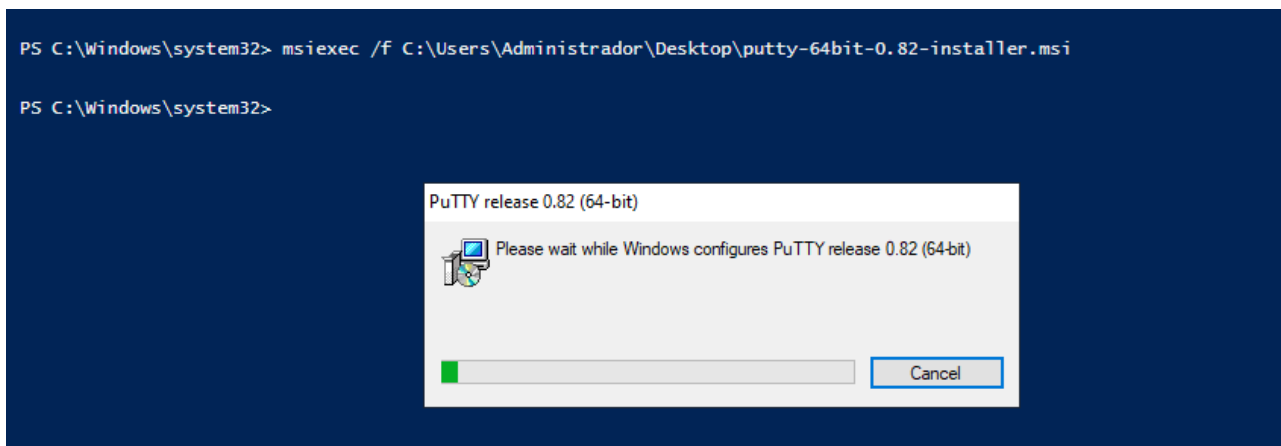
```
PS C:\Users\Administrador> msisexec /i C:\Users\Administrador\Desktop\putty-64bit-0.82-installer.msi INSTALLDIR=C:\putty /forcer
PS C:\Users\Administrador>
```



```
PS C:\Users\Administrador> msisexec /i C:\Users\Administrador\Desktop\putty-64bit-0.82-installer.msi INSTALLDIR=C:\putty /forcer
PS C:\Users\Administrador>
```



7. Tratar de reparar o reinstalar o paquete MSI.



2.2. Chocolatey

Chocolatey é un interesante proxecto para xestionar software. Accede á web do proxecto e investiga que funcionalidades ofrecen. Logo segue os pasos que se solicitan a continuación, contestando ou resolvendo os casos expostos (emprega capturas de pantalla nos casos que o vexas necesario):

1. Que é Chocolatey e en que consiste?

É un Package Manager para Windows

2. Para que sistemas operativos está dispoñible?

Chocolatey está dispoñible para **Windows**, concretamente para as versións Windows 7, 8, 10, 11 e Windows Server.

3. Que vantaxes lle ves empregar un software como Chocolatey?

Automatización: Simplifica a instalación, actualización e xestión de software.

Aforro de tempo: Non é necesario buscar manualmente os instaladores.

Centralización: Xestiona todo o software dende un único lugar.

Seguridade: Descarga paquetes verificados e confiables.

Flexibilidade: Ideal para administradores de sistemas e desenvolvedores que traballan en múltiples máquinas.

4. Instala Chocolatey nun SO Windows que sexas administrador empregando o comando que ofrecen na propia web, para que se descargue e se instale automaticamente cunha única liña de comandos (está dispoñible na web oficial):


```
Administrador: Windows PowerShell
PS C:\Users\Administrador> Set-ExecutionPolicy Bypass -Scope Process -Force; [System.Net.ServicePointManager]::SecurityProtocol = [System.Net.SecurityProtocolType]::Tls12; iex ((New-Object System.Net.WebClient).DownloadString('https://community.chocolatey.org/install.ps1'))
Forcing web requests to allow TLS v1.2 (Required for requests to Chocolatey.org)
Getting latest version of the Chocolatey package for download.
Not using proxy.
Getting Chocolatey from https://community.chocolatey.org/api/v2/package/chocolatey/2.4.1.
Downloading https://community.chocolatey.org/api/v2/package/chocolatey/2.4.1 to C:\Users\ADMINI~1\AppData\Local\Temp\chocolatey\chocoInstall\chocolatey.zip
Not using proxy.
Extracting C:\Users\ADMINI~1\AppData\Local\Temp\chocolatey\chocoInstall\chocolatey.zip to C:\Users\ADMINI~1\AppData\Local\Temp\chocolatey\chocoInstall
Installing Chocolatey on the local machine
Creating ChocolateyInstall as an environment variable (targeting 'Machine')
Setting ChocolateyInstall to 'C:\ProgramData\chocolatey'
WARNING: It's very likely you will need to close and reopen your shell
before you can use choco.
Restricting write permissions to Administrators
We are setting up the Chocolatey package repository.
The packages themselves go to 'C:\ProgramData\chocolatey\lib'
(i.e. C:\ProgramData\chocolatey\lib\yourPackageName).
A shim file for the command line goes to 'C:\ProgramData\chocolatey\bin'
and points to an executable in 'C:\ProgramData\chocolatey\lib\yourPackageName'.
Creating Chocolatey CLI folders if they do not already exist.
chocolatey.nupkg file not installed in lib.
Attempting to locate it from bootstrapper.
PATH environment variable does not have C:\ProgramData\chocolatey\bin in it. Adding...
ADVERTENCIA: Not setting tab completion: Profile file does not exist at
```

5. Unha vez instalado, actualizar o propio paquete de chocolatey:

```
Ensuring chocolatey.nupkg is in the lib folder
PS C:\Users\Administrador> choco upgrade chocolatey
Chocolatey v2.4.1
Upgrading the following packages:
chocolatey
By upgrading, you accept licenses for the packages.
```

6. Cal é a versión de Chocolatey que tes instalada?

```
PS C:\Users\Administrador> choco --version
2.4.1
PS C:\Users\Administrador>
PS C:\Users\Administrador>
```

7. Amosa a axuda, onde se vexan os principais opcións/comandos a usar con choco:

```

PS C:\Users\Administrador> choco -h
This is a listing of all of the different things you can pass to choco.

Options and Switches

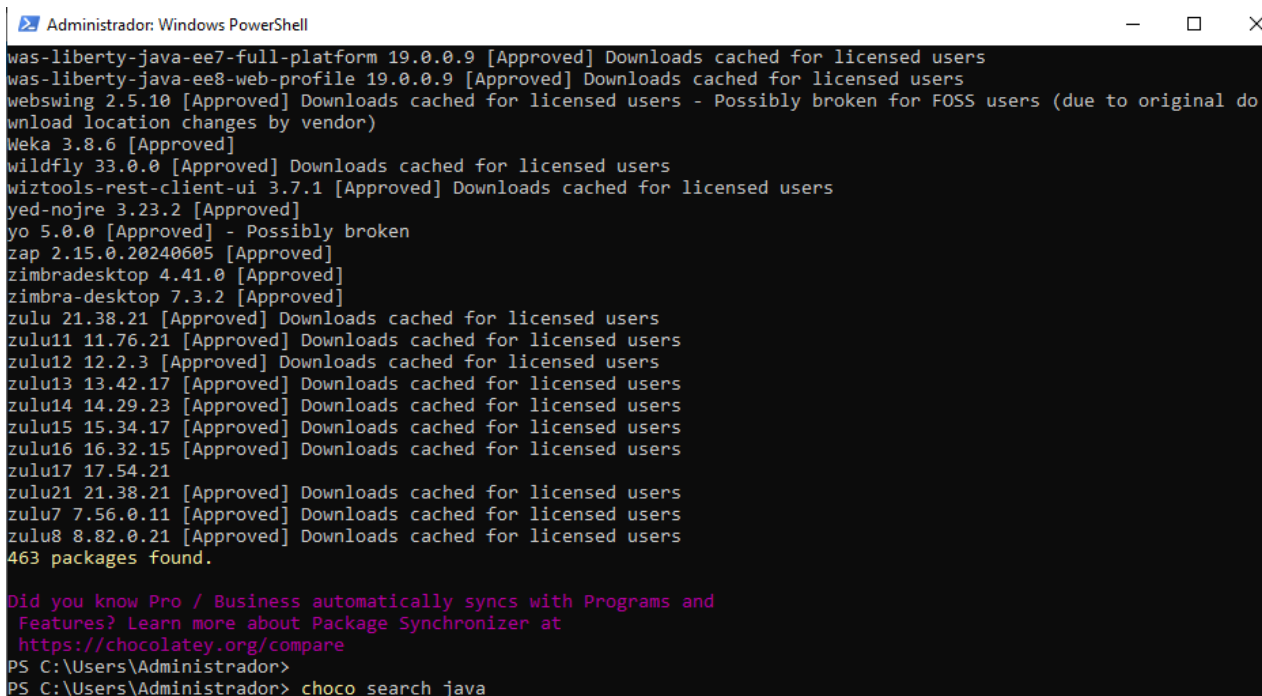
-v, --version
    Version - Prints out the Chocolatey version.

Commands

* apikey - retrieves, saves or deletes an API key for a particular source
* cache - Manage the local HTTP caches used to store queries (v2.1.0+)
* config - Retrieve and configure config file settings
* export - exports list of currently installed packages
* feature - view and configure choco features
* features - view and configure choco features (alias for feature)
* find - searches remote packages (alias for search)
* help - displays top level help information for choco
* info - retrieves package information. Shorthand for choco search pkgname --exact --verbose
* install - installs packages using configured sources
* list - lists local packages
* new - creates template files for creating a new Chocolatey package
* outdated - retrieves information about packages that are outdated. Similar to upgrade all --noop
* pack - packages nuspec, scripts, and other Chocolatey package resources into a nupkg file
* pin - suppress upgrades for a package
* push - pushes a compiled nupkg to a source
* rule - view or list implemented package rules (v2.3.0+)
* search - searches remote packages
* setapikey - retrieves, saves or deletes an API key for a particular source (alias for apikey)

```

8. Busca paquetes relacionados con «java»:



```

Administrador: Windows PowerShell

was-liberty-java-ee7-full-platform 19.0.0.9 [Approved] Downloads cached for licensed users
was-liberty-java-ee8-web-profile 19.0.0.9 [Approved] Downloads cached for licensed users
webswing 2.5.10 [Approved] Downloads cached for licensed users - Possibly broken for FOSS users (due to original do
wnload location changes by vendor)
Weka 3.8.6 [Approved]
wildfly 33.0.0 [Approved] Downloads cached for licensed users
wiztools-rest-client-ui 3.7.1 [Approved] Downloads cached for licensed users
yed-nojre 3.23.2 [Approved]
yo 5.0.0 [Approved] - Possibly broken
zap 2.15.0.20240605 [Approved]
zimbradesktop 4.41.0 [Approved]
zimbra-desktop 7.3.2 [Approved]
zulu 21.38.21 [Approved] Downloads cached for licensed users
zulu11 11.76.21 [Approved] Downloads cached for licensed users
zulu12 12.2.3 [Approved] Downloads cached for licensed users
zulu13 13.42.17 [Approved] Downloads cached for licensed users
zulu14 14.29.23 [Approved] Downloads cached for licensed users
zulu15 15.34.17 [Approved] Downloads cached for licensed users
zulu16 16.32.15 [Approved] Downloads cached for licensed users
zulu17 17.54.21
zulu21 21.38.21 [Approved] Downloads cached for licensed users
zulu7 7.56.0.11 [Approved] Downloads cached for licensed users
zulu8 8.82.0.21 [Approved] Downloads cached for licensed users
463 packages found.

Did you know Pro / Business automatically syncs with Programs and
Features? Learn more about Package Synchronizer at
https://chocolatey.org/compare
PS C:\Users\Administrador>
PS C:\Users\Administrador> choco search java

```

9. Busca o paquete «brave». Aмосa información más completa sobre ese paquete en concreto.
De que software se trata?

```

PS C:\Users\Administrador> choco search brave
Chocolatey v2.4.1
astromenace 1.3.2 [Approved] Downloads cached for licensed users
brave 1.73.97 [Approved] Downloads cached for licensed users
bravo 1.0.9 [Approved] Downloads cached for licensed users
browser-tamer 4.2.0 [Approved] Downloads cached for licensed users
fafarunner 1.0.3.368 [Approved] Downloads cached for licensed users
minecraft-education 1.21.600 [Approved] Downloads cached for licensed users
SoftCleaner 31.8.24.11 [Approved]
switchbar 16.9.1 [Approved] - Possibly broken
8 packages found.

Did you know Pro / Business automatically syncs with Programs and
Features? Learn more about Package Synchronizer at
https://chocolatey.org/compare

```

10. Instala o paquete «brave» dende choco **sen** que pida confirmación de instalación.

```

PS C:\Users\Administrador> choco install brave
Chocolatey v2.4.1
Installing the following packages:
brave
By installing, you accept licenses for the packages.
Downloading package from source 'https://community.chocolatey.org/api/v2/'
Progress: Downloading brave 1.73.97... 93%

```

11. Busca, investiga e instala con choco os seguintes paquetes, para finalmente tamén probalos.

Fíxate no caso de «PowerToys» todas as dependencias que tamén instala.:

- 7zip

```

PS C:\Users\Administrador> choco install 7zip -y
Chocolatey v2.4.1
Installing the following packages:
7zip
By installing, you accept licenses for the packages.
Downloading package from source 'https://community.chocolatey.org/api/v2/'
Progress: Downloading chocolatey-compatibility.extension 1.0.0... 100%

chocolatey-compatibility.extension v1.0.0 [Approved]
chocolatey-compatibility.extension package files install completed. Performing other installation steps.

```

- ChocolateyGUI

```

PS C:\Users\Administrador> choco install chocolateygui -y
Chocolatey v2.4.1
Installing the following packages:
chocolateygui
By installing, you accept licenses for the packages.

```


- Virtuawin

```
PS C:\Users\Administrador> choco install virtuawin -y
Chocolatey v2.4.1
Installing the following packages:
virtuawin
By installing, you accept licenses for the packages.
```

- Launchy

```
PS C:\Users\Administrador> choco install launchy -y
Chocolatey v2.4.1
Installing the following packages:
launchy
By installing, you accept licenses for the packages.
```

- PowerToys

```
PS C:\Users\Administrador> choco install powertoys -y
Chocolatey v2.4.1
Installing the following packages:
powertoys
By installing, you accept licenses for the packages.
```

- FreeFileSync

```
PS C:\Users\Administrador> choco install freefilesync -y
Chocolatey v2.4.1
Installing the following packages:
freefilesync
By installing, you accept licenses for the packages.
```

- TestDisk-PhotoRec

```
PS C:\Users\Administrador> choco install testdisk-photorec -y
Chocolatey v2.4.1
Installing the following packages:
testdisk-photorec
By installing, you accept licenses for the packages.
Downloading package from source 'https://community.chocolatey.org/api/v2/'
Progress: Downloading testdisk-photorec 7.2.0... 100%

testdisk-photorec v7.2.0 [Approved]
testdisk-photorec package files install completed. Performing other installation steps.
Extracting C:\ProgramData\chocolatey\lib\testdisk-photorec\tools\testdisk-7.2.win.zip to C:\ProgramData\chocolatey\
lib\testdisk-photorec\tools...
C:\ProgramData\chocolatey\lib\testdisk-photorec\tools
ShimGen has successfully created a shim for fididentify_win.exe
ShimGen has successfully created a shim for photorec_win.exe
ShimGen has successfully created a shim for qphotorec_win.exe
ShimGen has successfully created a shim for testdisk_win.exe
The install of testdisk-photorec was successful.
  Deployed to 'C:\ProgramData\chocolatey\lib\testdisk-photorec\tools'

Chocolatey installed 1/1 packages.
See the log for details (C:\ProgramData\chocolatey\logs\chocolatey.log).
PS C:\Users\Administrador>
```

12. Lista todos os paquetes dispoñibles e instalados a traves de choco. Cantos son en total?

```
PS C:\Users\Administrador> choco list
Chocolatey v2.4.1
7zip 24.9.0
7zip.install 24.9.0
brave 1.73.97
chocolatey 2.4.1
chocolatey-compatibility.extension 1.0.0
chocolatey-core.extension 1.4.0
chocolatey-dotnetfx.extension 1.0.1
chocolateygui 2.1.1
chocolatey-windowsupdate.extension 1.0.5
dotnet-9.0-desktopruntime 9.0.0
dotnet-desktopruntime 9.0.0
dotnetfx 4.8.0.20220524
KB2919355 1.0.20160915
KB2919442 1.0.20160915
KB2999226 1.0.20181019
KB3033929 1.0.5
KB3035131 1.0.3
launchy 2.5.0.20220923
testdisk-photorec 7.2.0
vcredist140 14.42.34433
virtuawin 4.4.0
21 packages installed.
PS C:\Users\Administrador>
```

21

13. Lista os paquetes instalados localmente con choco:

```
PS C:\Users\Administrador> choco list --local-only
Chocolatey v2.4.1
Invalid argument --local-only. This argument has been removed from the list command and cannot be used.
PS C:\Users\Administrador>
```

14. Deinstala o paquete launchy:

```
PS C:\Users\Administrador> choco uninstall launchy -
Chocolatey v2.4.1
Uninstalling the following packages:
launchy
launchy v2.5.0.20220923
```

15. Supoñamos que pasaron varios días dende todos os pasos anteriores. Agora desexamos actualizar todo o software xestionado por Chocolatey cun único comando:

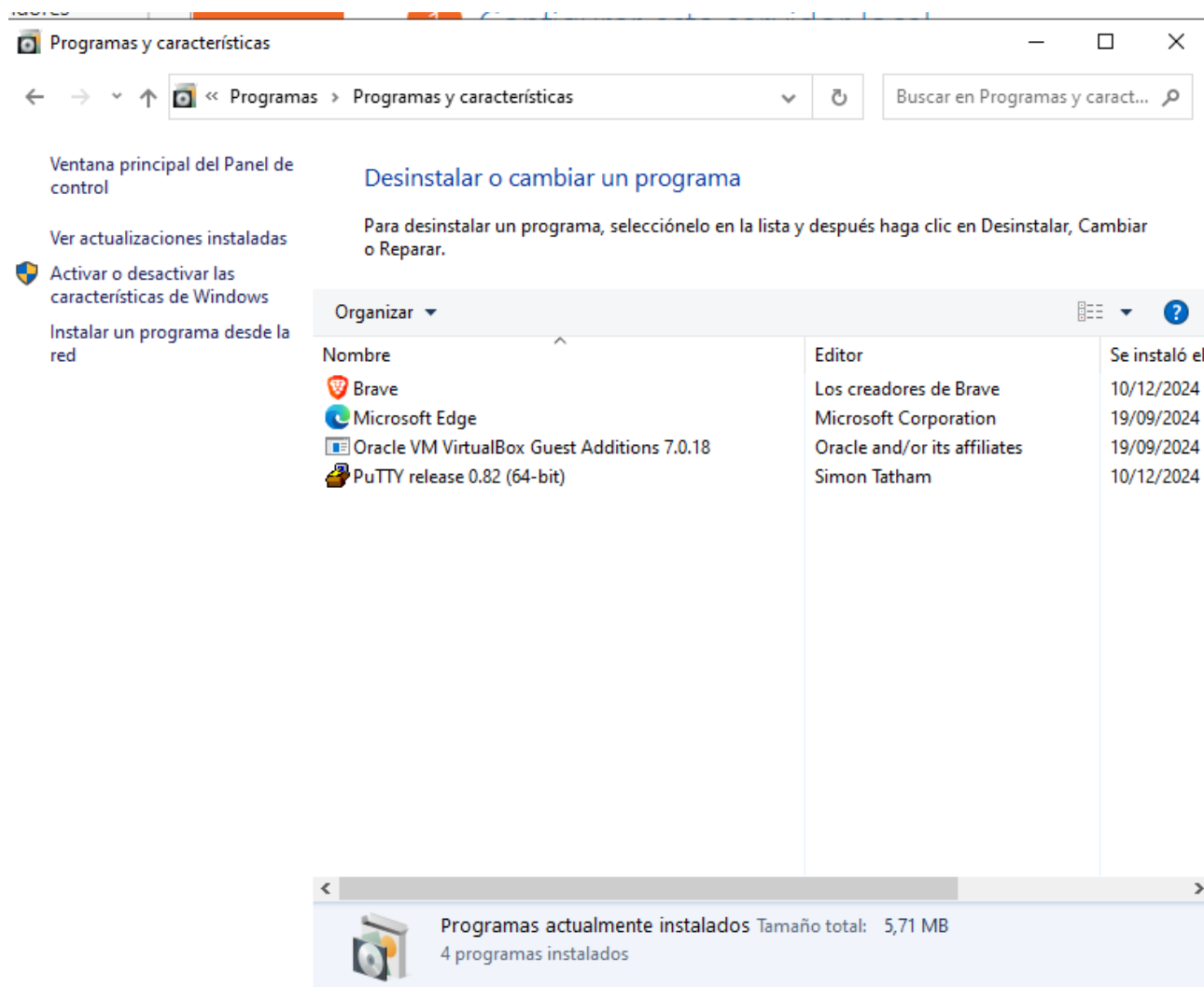
```
PS C:\Users\Administrador> choco upgrade all -y
Chocolatey v2.4.1
Upgrading the following packages:
all
By upgrading, you accept licenses for the packages.
```

2.3. Ferramentas gráficas

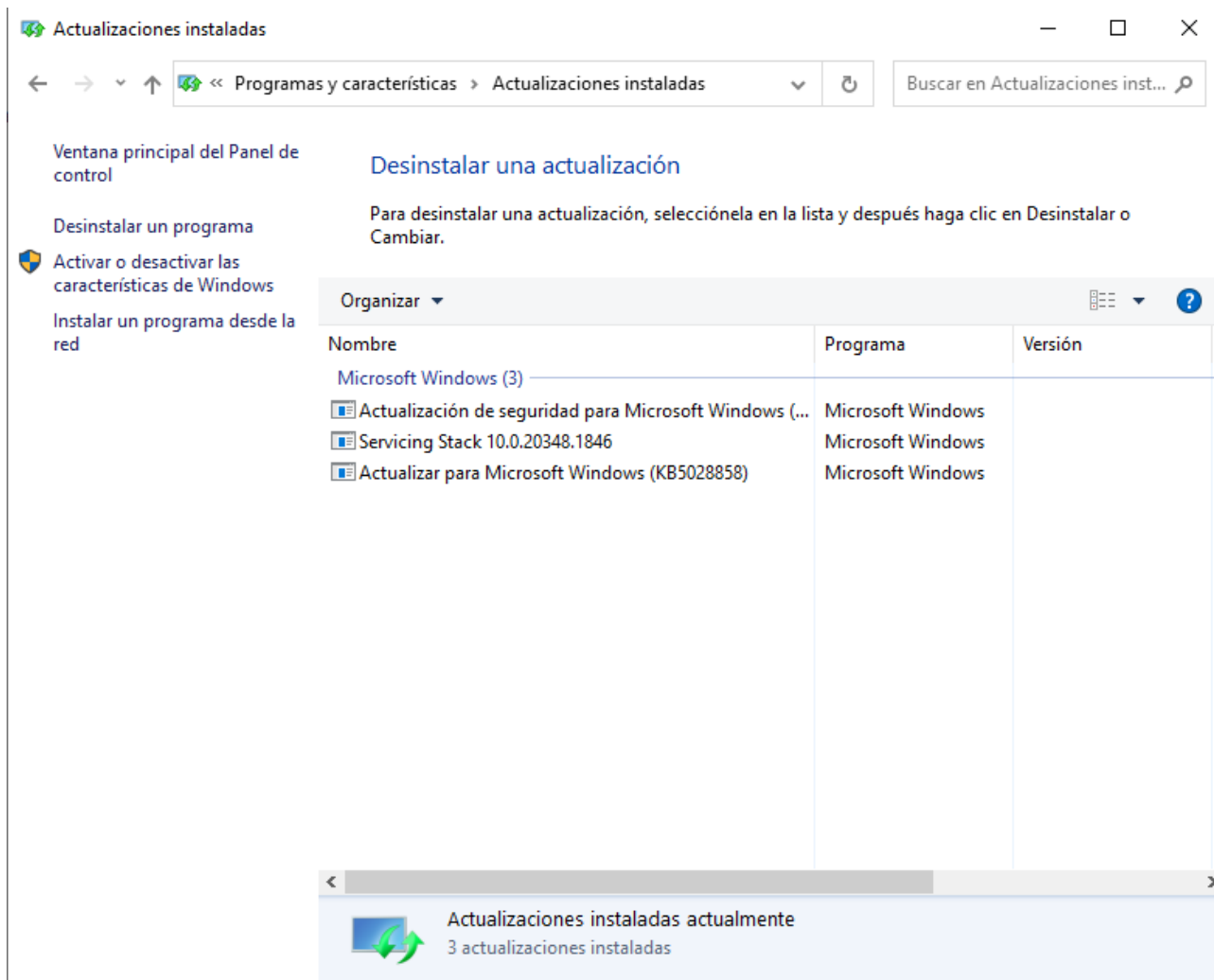
Windows integra varias ferramentas gráficas para a xestión do software instalado. Das seguintes ferramentas, explica o que se pode facer dende elas con exemplos prácticos e engade as capturas que vexas necesarias que amosen esas características.

2.3.1. Agregar o quitar programas

2.3.2. Programas e características (Panel de control)

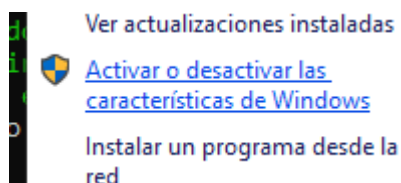


2.3.3.Ver actualizaciones instaladas (Panel de control)



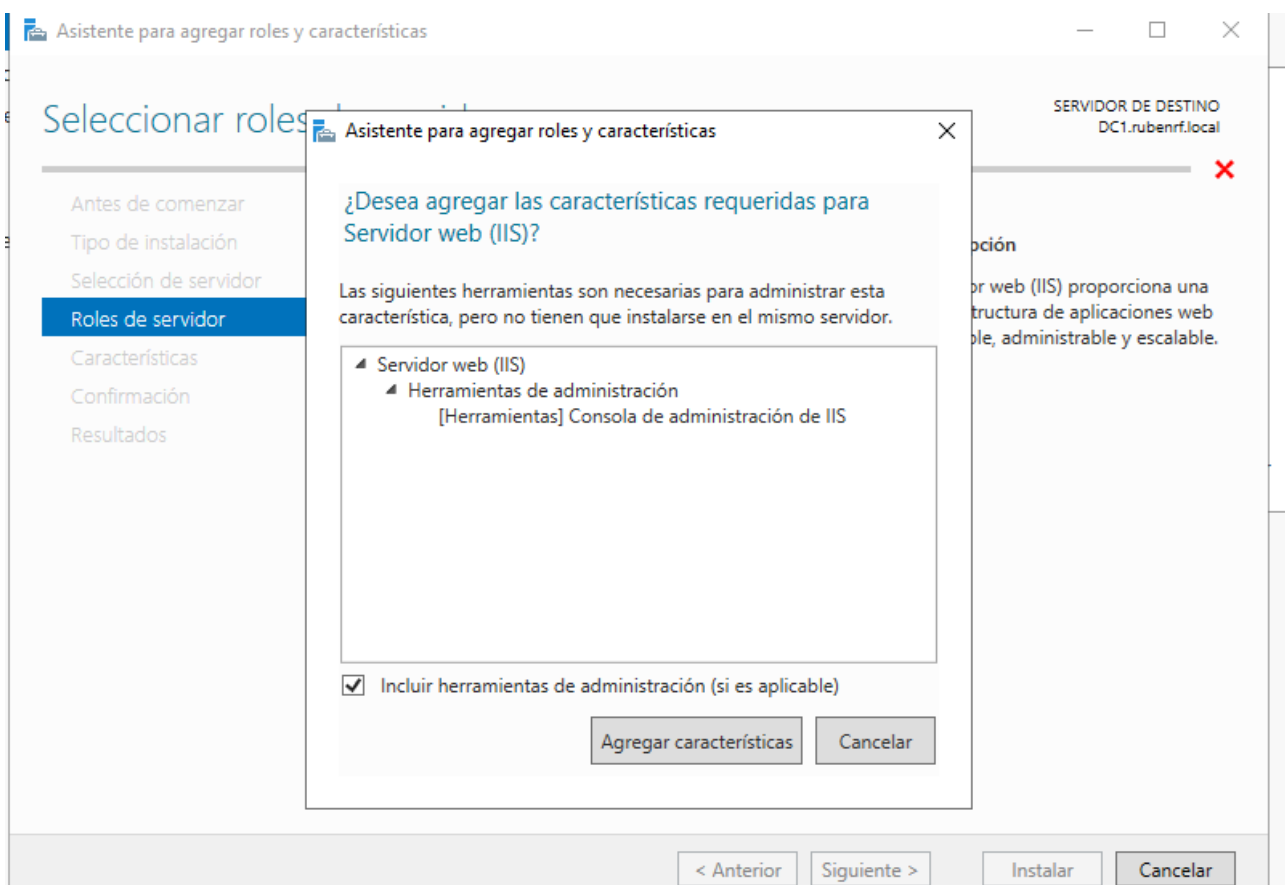
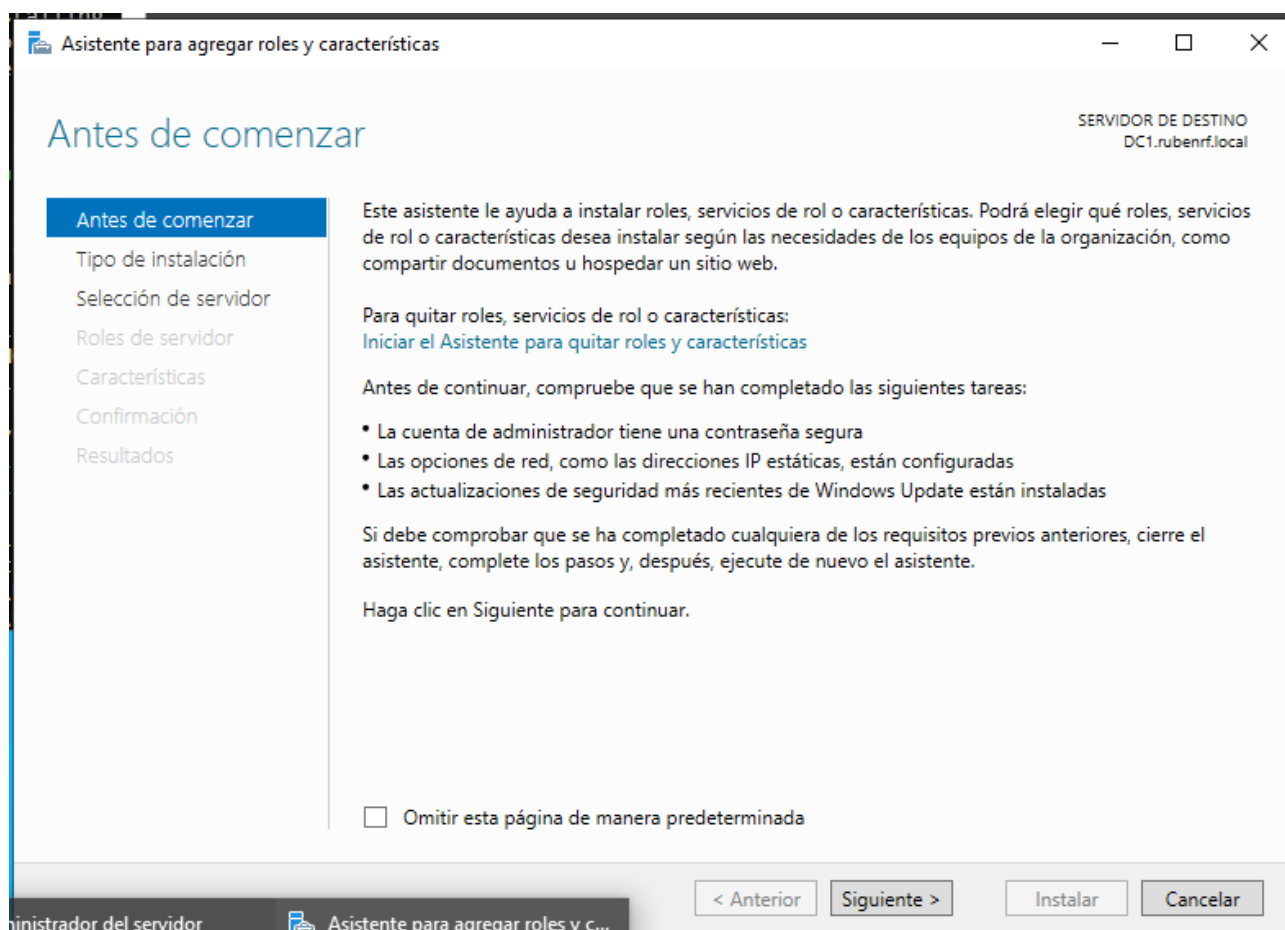
2.3.4.Activar e desactivar características de Windows (en Windows cliente dende o Panel de control)

Por exemplo, engadir o cliente Telnet. Pódese usar outro exemplo que vos pareza máis interesantes.



2.3.5. Agregar roles e características (en Windows Server desde el Administrador del servidor)

Por ejemplo, engadir un Servidor web (IIS). Pódese usar outro exemplo que vos pareza máis interesantes.



Seleccionar servicios de rol

SERVIDOR DE DESTINO
DC1.rubenrf.local

Antes de comenzar
Tipo de instalación
Selección de servidor
Roles de servidor
Características
Rol de servidor web (IIS)
Servicios de rol
Confirmación
Resultados

Seleccione los servicios de rol que desea instalar para Servidor web (IIS)

Servicios de rol

- ☒ **Servidor web**
 - ☒ Características HTTP comunes
 - ☒ Contenido estático
 - ☒ Documento predeterminado
 - ☒ Errores HTTP
 - ☒ Examen de directorios
 - ☐ Publicación en WebDAV
 - ☐ Redirección HTTP
 - ☒ Estado y diagnóstico
 - ☒ Registro HTTP
 - ☐ Herramientas de registro
 - ☐ Monitor de solicitudes
 - ☐ Registro de ODBC
 - ☐ Registro personalizado
 - ☐ Seguimiento
 - ☒ Rendimiento
 - ☒ Compresión de contenido estático
 - ☐ Compresión de contenido dinámico
 - ☒ Seguridad

Descripción

Servidor web proporciona compatibilidad con sitios web HTML y compatibilidad opcional con ASP.NET, ASP y extensiones de servidor web. Puede usar el rol Servidor web para hospedar un sitio web interno o externo o para proporcionar un entorno en el que los desarrolladores creen aplicaciones web.

< Anterior

Siguiente >

Instalar

Cancelar

Progreso de la instalación

SERVIDOR DE DESTINO
DC1.rubenrf.local

Antes de comenzar
Tipo de instalación
Selección de servidor
Roles de servidor
Características
Rol de servidor web (IIS)
Servicios de rol
Confirmación
Resultados

Ver progreso de la instalación



Instalación de característica

Instalación correcta en DC1.rubenrf.local.

Servidor web (IIS)

Herramientas de administración

Consola de administración de IIS

Servidor web

Características HTTP comunes

Documento predeterminado

Examen de directorios

Errores HTTP

Contenido estático

Estado y diagnóstico



Este asistente se puede cerrar sin interrumpir la ejecución de las tareas. Para ver el progreso de la tarea o volver a abrir esta página, haga clic en Notificaciones en la barra de comandos y en Detalles de la tarea.

[Exportar opciones de configuración](#)

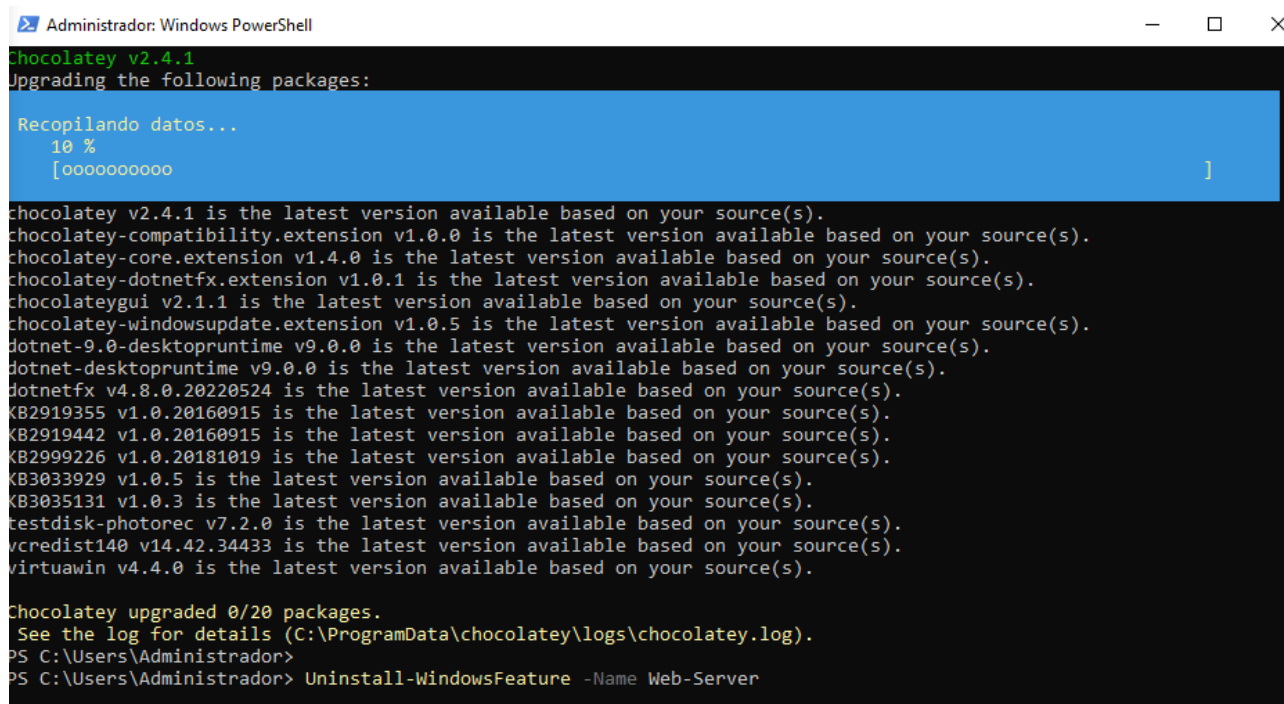
< Anterior

Siguiente >

Cerrar

Cancelar

Recorda que cos *cmdlets* de *Powershell* `Get-WindowsFeature`, `Install-WindowsFeature` e `Uninstall-WindowsFeature`, pódense tamén levar a cabo as tarefas anteriores. A continuación, desinstalar dende *Powershell* co comando correspondente o rol/característica instalada anteriormente:



```
Administrador: Windows PowerShell

Chocolatey v2.4.1
Upgrading the following packages:

Recopilando datos...
 10 %
[oooooooooooo]

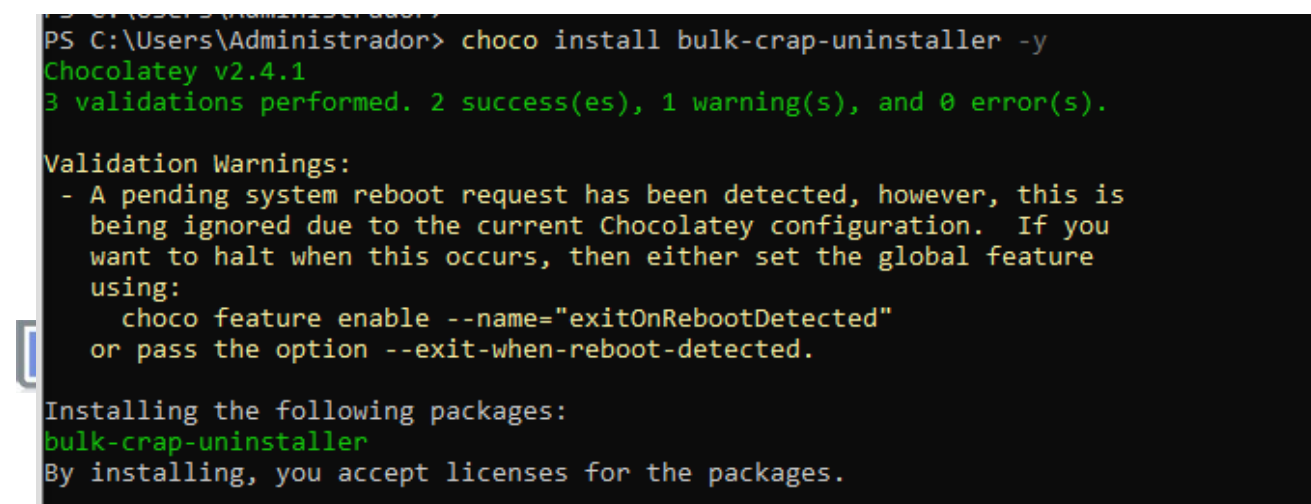
chocolatey v2.4.1 is the latest version available based on your source(s).
chocolatey-compatibility.extension v1.0.0 is the latest version available based on your source(s).
chocolatey-core.extension v1.4.0 is the latest version available based on your source(s).
chocolatey-dotnetfx.extension v1.0.1 is the latest version available based on your source(s).
chocolateygui v2.1.1 is the latest version available based on your source(s).
chocolatey-windowsupdate.extension v1.0.5 is the latest version available based on your source(s).
dotnet-9.0-desktopruntime v9.0.0 is the latest version available based on your source(s).
dotnet-desktopruntime v9.0.0 is the latest version available based on your source(s).
dotnetfx v4.8.0.20220524 is the latest version available based on your source(s).
KB2919355 v1.0.20160915 is the latest version available based on your source(s).
KB2919442 v1.0.20160915 is the latest version available based on your source(s).
KB2999226 v1.0.20181019 is the latest version available based on your source(s).
KB3033929 v1.0.5 is the latest version available based on your source(s).
KB3035131 v1.0.3 is the latest version available based on your source(s).
testdisk-photorec v7.2.0 is the latest version available based on your source(s).
vcredist140 v14.42.34433 is the latest version available based on your source(s).
virtuawin v4.4.0 is the latest version available based on your source(s).

Chocolatey upgraded 0/20 packages.
See the log for details (C:\ProgramData\chocolatey\logs\chocolatey.log).
PS C:\Users\Administrador>
PS C:\Users\Administrador> Uninstall-WindowsFeature -Name Web-Server
```

2.4. Bulk Crap Uninstaller

Busca e instala a aplicación. Podes empregar Chocolatey. Explica que permite facer o programa, fai as capturas de pantalla que vexas necesarias para explicalo, e finalmente da a túa opinión da utilidade do mesmo.

Bulk Crap Uninstaller é unha ferramenta gratuíta e de código aberto para desinstalar múltiples aplicacións en Windows de forma rápida e eficiente. Permite desinstalacións masivas, silenciosas e avanzadas, detecta programas non listados e xestiona aplicacións portables e de sistema. Ademais, limpa residuos como ficheiros e claves de rexistro, ofrece filtros para identificar software innecesario ou obsoleto, e xera rexistros detallados das desinstalacións realizadas. É ideal para eliminar crapware e manter un sistema limpo e organizado



```
PS C:\Users\Administrador> choco install bulk-crap-uninstaller -y
Chocolatey v2.4.1
3 validations performed. 2 success(es), 1 warning(s), and 0 error(s).

Validation Warnings:
- A pending system reboot request has been detected, however, this is
  being ignored due to the current Chocolatey configuration. If you
  want to halt when this occurs, then either set the global feature
  using:
    choco feature enable --name="exitOnRebootDetected"
  or pass the option --exit-when-reboot-detected.

Installing the following packages:
bulk-crap-uninstaller
By installing, you accept licenses for the packages.
```

Bulk Crap Uninstaller é unha ferramenta moi útil, especialmente para técnicos ou administradores de sistemas que precisan limpar equipos ou xestionar grandes cantidades de software. É eficiente, flexible e altamente recomendable en entornos onde a limpeza do sistema sexa clave.

Tarefa 3. Siglas

Busca e traduce as seguintes siglas **relacionados coa UD**:

	Siglas	Significado	Tradución
1	DDL	Data Definition Language	Linguaxe de Definición de Datos
2	RPM	Red Hat Package Manager	Xestor de Paquetes de Red Hat
3	BSD	Berkeley Software Distribution	Distribución de Software de Berkeley
4	YAST	Yet Another Setup Tool	Outro Ferramenta de Configuración
5	APT	Advanced Package Tool	Ferramenta Avanzada de Paquetes
6	YUM	Yellowdog Updater, Modified	Actualizador de Yellowdog, Modificado
7	DPKG	Debian Package Management System	Sistema de Xestión de Paquetes Debian
8	GTK	GIMP Toolkit	Conxunto de Ferramentas de GIMP
9	SUSE	Software und System Entwicklung	Desenvolvemento de Software e Sistemas
10	MSI	Microsoft Installer	Instalador de Microsoft
11	SMTP	Simple Mail Transfer Protocol	Protocolo Simple de Transferencia de Correo
12	IIS	Internet Information Services	Servizos de Información de Internet