



# Eines de gestió

## **Eines per gestionar l'instal·lació i el manteniment de paquets en Debian GNU/Linux**



## L'eina d'instal·lació inicial

- ♦ **La primera: dpkg**
- ♦ **Comença per dpkg --help**
- ♦ **dpkg --info elNomDunPaquet.deb**
- ♦ **dpkg --install elNom.deb**
- ♦ **dpkg --remove elNom.deb**
- ♦ **dpkg --purge elNom.deb**
- ♦ **dpkg - -list '\*unaCadena\*'**
- ♦ **dpkg-reconfigure elNomDunPaquet**



## La segona: apt

- ♦ **apt-get update**
- ♦ **Acompanyada de: apt-get upgrade**
- ♦ **I apt-get dist-upgrade**
- ♦ **apt-get install elnomdelpaquet**
- ♦ **apt-get remove elnom**
- ♦ **apt-get –purge remove elnom**



## La variant de l' apt

- ▶ **apt-cache search paraula**
- ▶ **apt-cache show nomDelPaq**
- ▶ **apt-cache depends nomDelPaq**
- ▶ **apt-cache showpkg nomDelPaq**



## Les altres

- ♦ **aptitude**
- ♦ **dselect**
- ♦ **synaptic**





## Altres manipulacions

- ♦ **dpkg-deb --help**
- ♦ **dpkg-deb - -contents elNom.deb**
- ♦ **dpkg-deb - -control elNom.deb tmp**
- ♦ **man dpkg-deb**



# Altres manipulacions

- ♦ **man dpkg-split**





# Per paquets

- ▶ **dpkg**
- ▶ **dpkg -i**
- ▶ **dpkg-reconfigure**







# Dselect inicial

Debian 'dselect' package handling frontend.

- \* 0. [A]ccess      Choose the access method to use.
- 1. [U]pdate      Update list of available packages, if possible.
- 2. [S]elect      Request which packages you want on your system.
- 3. [I]nstaLL      Install and upgrade wanted packages.
- 4. [C]onfig      Configure any packages that are unconfigured.
- 5. [R]emove      Remove unwanted software.
- 6. [Q]uit      Quit dselect.

Move around with ^P and ^N, cursor keys, initial letters, or digits;  
Press <enter> to confirm selection.    ^L redraws screen.

Version 1.13.10 (amd64).

Copyright (C) 1994-1996 Ian Jackson.

Copyright (C) 2000,2001 Wichert Akkerman.

This is free software; see the GNU General Public Licence version 2  
or later for copying conditions. There is NO warranty. See  
dselect --licence for details.



# Dselect interior

```
veritas
dselect - inspection of package states (avail., priority) (verbose)

*** Opt x11      wmtz      0.7-3      0.7-3      A wmaker dock app th
*** Opt x11      wmweather 1.31-7    1.31-7    WindowMaker dock app
*** Opt x11      wmwork    0.1.0-1   0.1.0-1   Keep track of time w
*** Opt x11      wmxres    1.1-3     1.1-3     dock application to
*** Opt x11      x-ttcfon- 13         13        Configure TrueType a
*** Opt x11      x-window-sys 4.1.0-16wo 4.1.0-16wo X Window System
*** Opt x11      x-window-sys 4.1.0-16wo 4.1.0-16wo X Window System core
*** Opt x11      xaw3dg     1.5-13    1.5-13    Xaw3d widget set
*** Opt x11      xbase-client 4.1.0-16wo 4.1.0-16wo miscellaneous X clie
*** Opt x11      xcb        2.3i-4    2.3i-4    Pigeon holes for you

wmweather - WindowMaker dock app that shows your current weather

wmWeather provides a monitor on a 64x64 mini window that displays the
current weather. The weather reports are received from the same source that
pilots use.

wmWeather is designed to work with the WindowMaker dock, but will work with
other window managers as well. xbase-clients are required for the left
click to bring up the complete METAR record.
```



# Dselect completa

```
dselect - main package listing (avail., priority)
```

```
EIOM Pri Section Package Inst.ver Avail.ver Description
```

```
- All packages -
```

```
--- Up to date installed packages ---
```

```
----- Up-to-date Required packages -----
```

```
----- Up-to-date Required packages in section admin -----
```

```
*** Req admin debconf 1.4.56ubunt 1.4.56ubunt Debian configuration management system
*** Req admin debconf-i18n 1.4.56ubunt 1.4.56ubunt full internationalization support for debconf
```

```
----- Up-to-date Required packages in section base -----
```

```
*** Req base base-files 3.1.5ubuntu 3.1.5ubuntu Debian base system miscellaneous files
*** Req base base-passwd 3.5.10 3.5.10 Debian base system master password and group files
*** Req base bash 3.0-16ubunt 3.0-16ubunt The GNU Bourne Again SHell
*** Req base bsdtar 2.12p-6ubun 2.12p-6ubun Basic utilities from 4.4BSD-Lite
*** Req base coreutils 5.2.1-2ubun 5.2.1-2ubun The GNU core utilities
*** Req base debianutils 2.14.1-ubun 2.14.1-ubun Miscellaneous utilities specific to Debian
*** Req base diff 2.8.1-11ubu 2.8.1-11ubu File comparison utilities
*** Req base dpkg 1.13.10ubun 1.13.10ubun Package maintenance system for Debian
*** Req base e2fsprogs 1.38-2ubunt 1.38-2ubunt ext2 file system utilities and libraries
*** Req base findutils 4.2.22-2 4.2.22-2 utilities for finding files--find, xargs, and locate
*** Req base grep 2.5.1.ds1-5 2.5.1.ds1-5 GNU grep, egrep and fgrep
*** Req base gzip 1.3.5-11ubu 1.3.5-11ubu The GNU compression utility
*** Req base hostname 2.13 2.13 A utility to set/show the host name or domain name
*** Req base initscripts 2.86.ds1-1. 2.86.ds1-1. Standard scripts needed for booting and shutting down
*** Req base libc6 2.3.5-1ubun 2.3.5-1ubun GNU C Library: Shared libraries and Timezone data
*** Req base libncurses5 5.4-9ubuntu 5.4-9ubuntu Shared libraries for terminal handling
*** Req base libpam-modules 0.76-22ubun 0.76-22ubun Pluggable Authentication Modules for PAM
*** Req base libpam-runtime 0.76-22ubun 0.76-22ubun Runtime support for the PAM library
```

```
All packages
```

```
The line you have highlighted represents many packages; if you ask to install, remove, hold, etc. it you will affect all
```

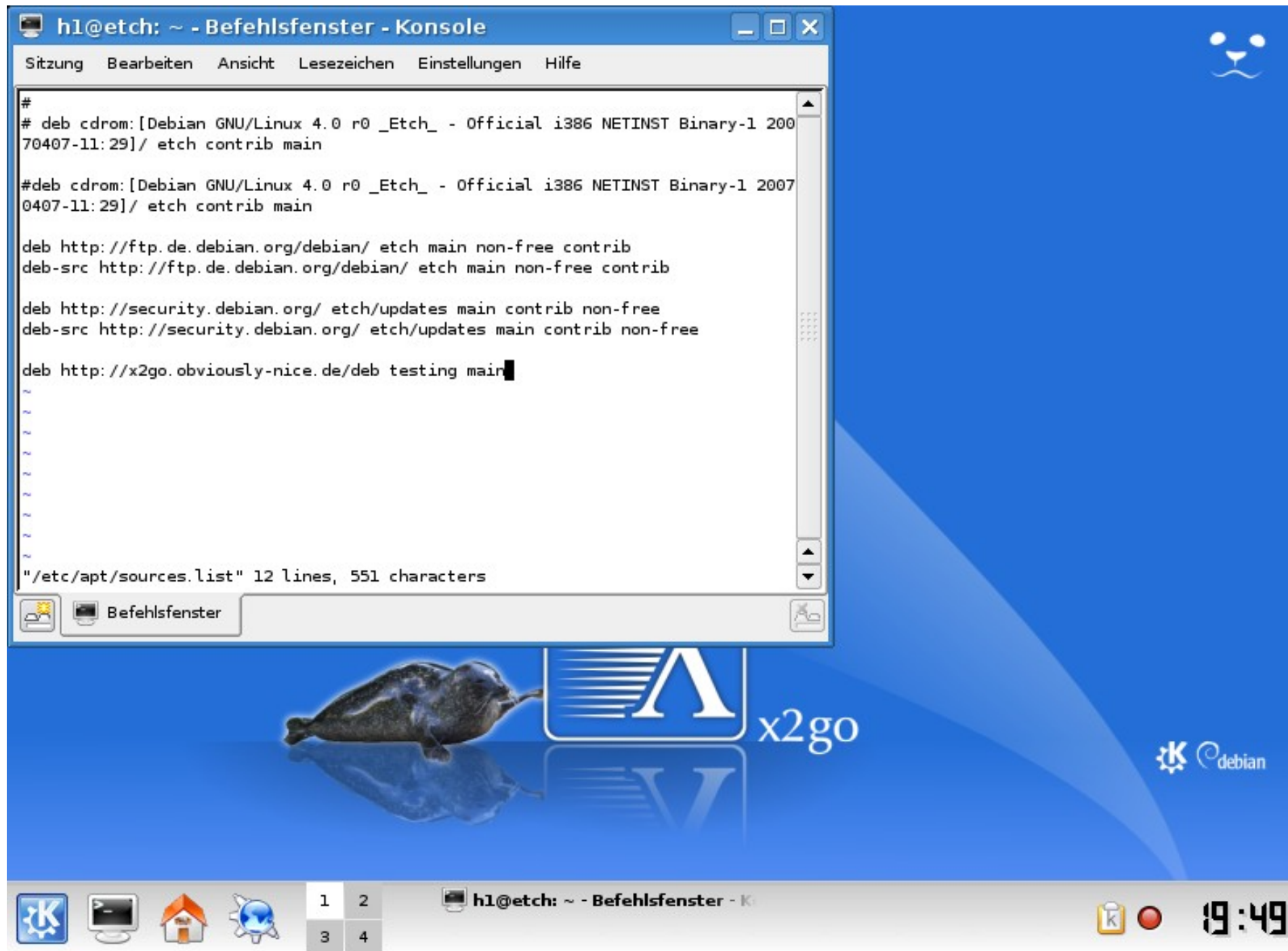
```
If you move the highlight to a line for a particular package you will see information about that package displayed here.
give yourself the opportunity to mark packages in different kinds of groups.
```



# Fitxer mestre

- ▶ El fitxer “mestre” **/etc/apt/sources.list**







## **/etc/apt/sources.list**

- ♦ **deb http://http.PAIS.debian.org/debian  
stable main contrib non-free**
- ♦ **deb http://non-us.debian.org/debian-  
non-US stable/non-US main contrib  
non-free**
- ♦ **deb http://security.debian.org  
stable/updates main contrib non-free**



## **/etc/apt/sources.list**

- ♦ **#deb-src**  
**http://http.PAIS.debian.org/debian**  
**stable main contrib non-free**
- ♦ **#deb-src http://non-**  
**us.debian.org/debian-non-US**  
**stable/non-US main contrib non-free**



## **/etc/apt/sources.list ubuntu**

- ♦ **deb**  
**http://PAIS.archive.ubuntu.com/ubuntu**  
**/ Versió main restricted**
- ♦ **#deb-src**  
**http://PAIS.archive.ubuntu.com/ubuntu**  
**/ Versió main restricted**
- ♦ **Avui Versió::== hardy**





## **/etc/apt/sources.list ubuntu**

- ♦ **deb**

**http://PAIS.archive.ubuntu.com/ubuntu  
/ Versió-updates main restricted**

- ♦ **#deb-src**

**http://PAIS.archive.ubuntu.com/ubuntu  
/ Versió-updates main restricted**





## **/etc/apt/sources.list**

- ♦ **deb**

**<http://PAIS.archive.ubuntu.com/ubuntu>  
/ Versió universe**

- ♦ **#deb-src**

**<http://PAIS.archive.ubuntu.com/ubuntu>  
/ Versió universe**





## **/etc/apt/sources.list**

- ♦ **deb**

**http://PAIS.archive.ubuntu.com/ubuntu  
/ Versió-backports main restricted  
universe multiverse**

- ♦ **#deb-src**

**http://PAIS.archive.ubuntu.com/ubuntu  
/ Versió-backports main restricted  
universe multiverse**





## **/etc/apt/sources.list**

- ♦ **deb http://security.ubuntu.com/ubuntu**  
**Versió-security main restricted**
- ♦ **#deb-src**  
**http://security.ubuntu.com/ubuntu**  
**Versió-security main**

♦



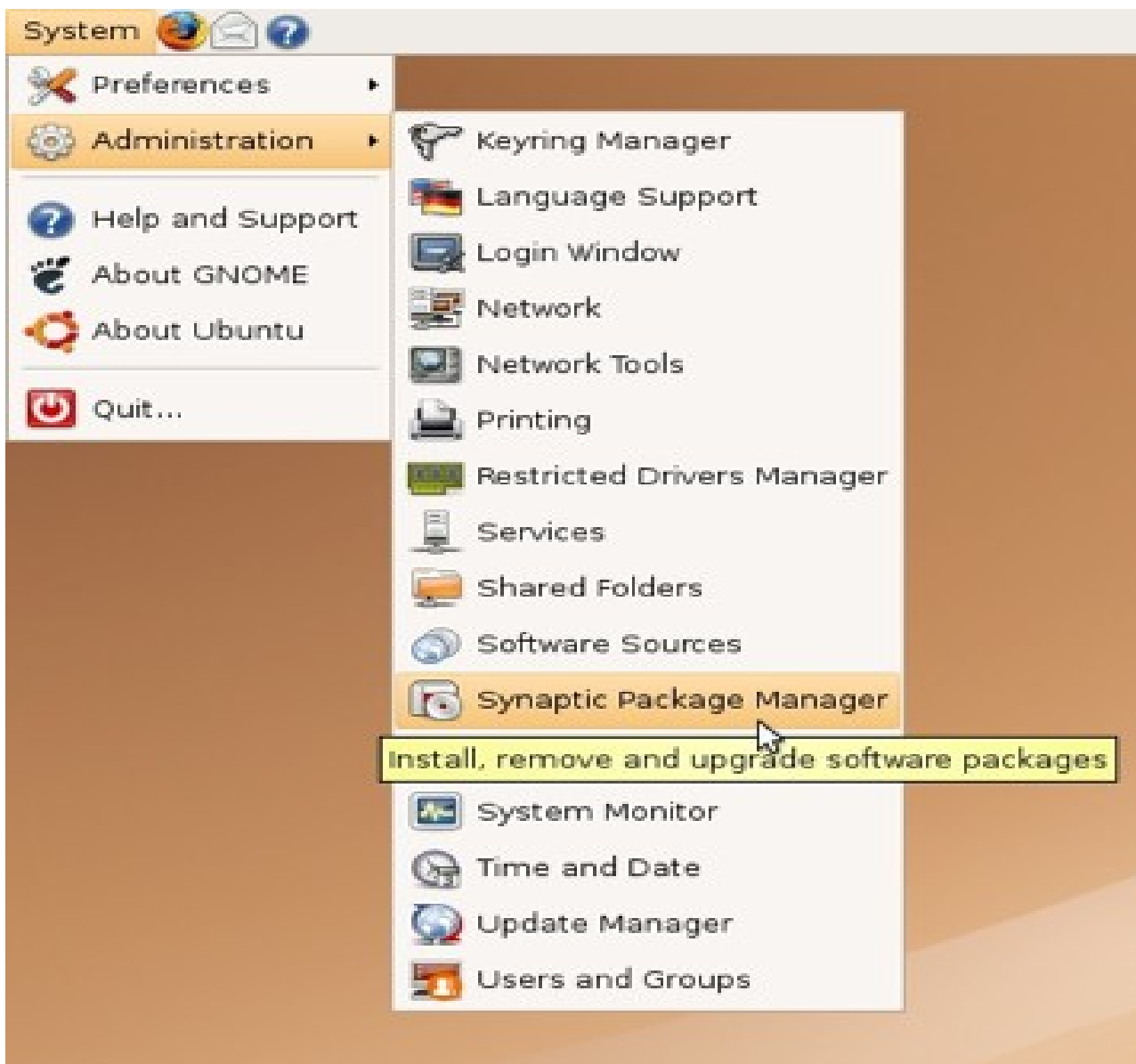
## **/etc/apt/sources.list**

- ♦ **deb http://security.ubuntu.com/ubuntu**  
**Versió-security universe**
- ♦ **#deb-src**  
**http://security.ubuntu.com/ubuntu**  
**Versió-security universe**



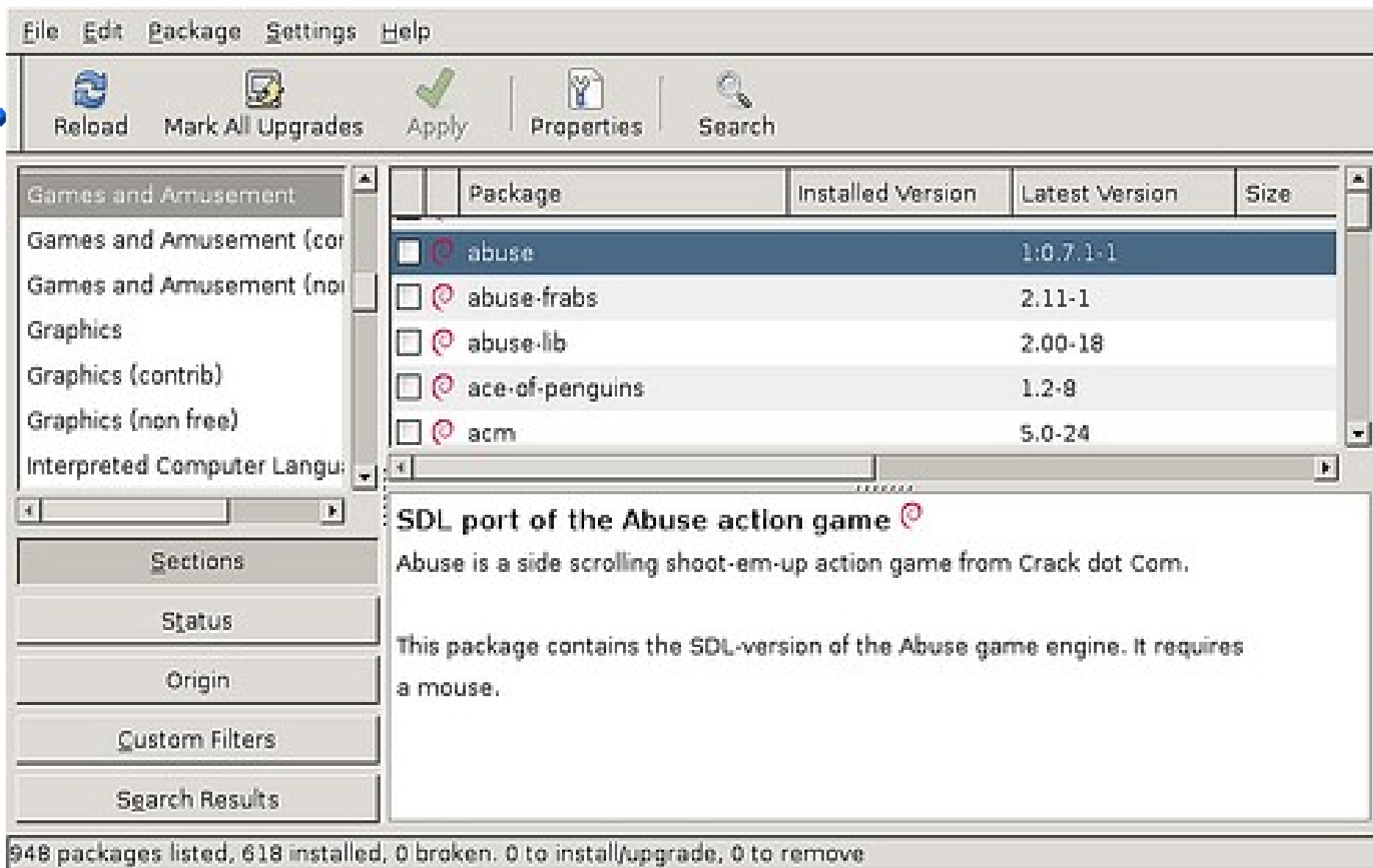


# Crida a synaptic



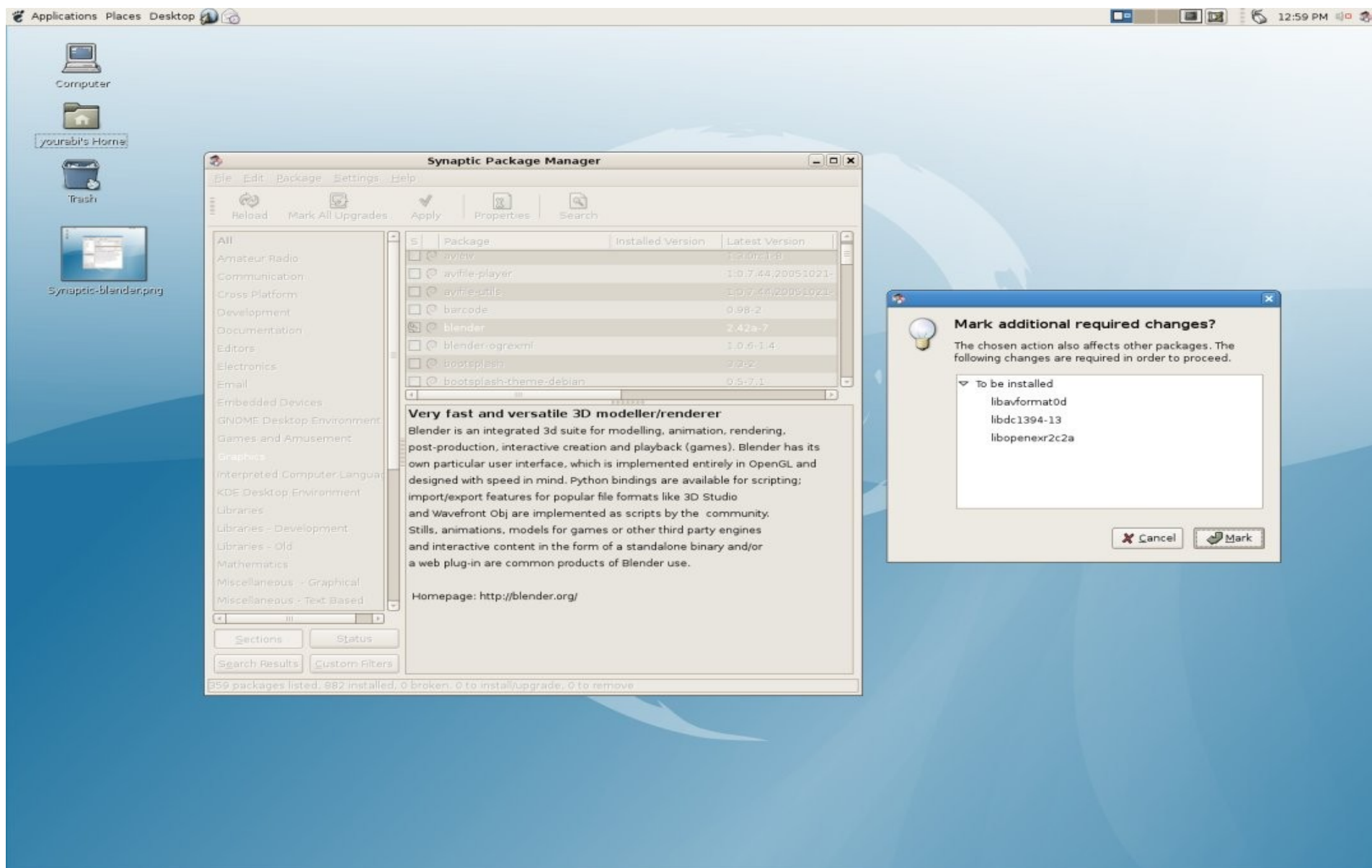


# La finestra de synaptic





# La pantalla amb synaptic







## Reconeixement-CompartirIgual 2.5

### Sou lliure de:

- ◆ copiar, distribuir i comunicar públicament l'obra
- ◆ fer-ne obres derivades
- ◆ fer un ús comercial de l'obra

### Amb les condicions següents:



**Reconeixement.** Heu de reconèixer els crèdits de l'obra de la manera especificada per l'autor o el llicenciador.



**Compartir amb la mateixa llicència.** Si altereu o transformeu aquesta obra, o en genereu obres derivades, només podeu distribuir l'obra generada amb una llicència idèntica a aquesta.

- ◆ Quan reutilitzeu o distribuïu l'obra, heu de deixar ben clar els termes de la llicència de l'obra.
- ◆ Alguna d'aquestes condicions pot no aplicar-se si obteniu el permís del titular dels drets d'autor.

**Els drets derivats d'usos legítims o altres limitacions reconegudes per llei no queden afectats per l'anterior**

Això és un resum fàcilment llegible del [text legal \(la llicència completa\)](#).

[Advertiment](#) 