

Linux 軟體安裝進化論... for end users!



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COSCU 2008

關於我

- Yuren Ju
- 小朱
- Yuren's Info Area
- Linux 台灣
- KaLUG



Taiwan
Linux



感謝開放源碼社群！



優雅

- 優雅的解決軟體相依性
- 優雅的自動下載安裝
- 優雅的處理升級問題
- 但是！



但小企鵝們還是搞不懂怎麼安裝 Linux 軟體。

Use the **APT**, Luke. Let go,
Luke. Luke, trust me.



你貢啥？

小明

- 我想要找星象軟體，但是我不知道名字。



推虎知識 -

星象 Linux 您好!
會員登出, 會員中心

搜尋網頁

服務首頁 | 服務說明

知識 + 首頁 | 知識分類 | 煩惱 ^{NEW} | 知識團 ^{BEST} | [Q 我要發問](#) | [A 我要回答](#) | [My 我的知識+](#)

星象 Linux | 搜尋全部 | [搜尋](#) | [進階搜尋](#) | [搜尋榜](#) | [油桐花](#) | [減肥](#) | [擠痘痘](#)

星象 Linux 搜尋結果 0 則。

綜合

發問中

投票中

已解決

評論

很抱歉，無法找到符合條件的問答資料，建議您：

1. 請檢查是否有錯別字或拼字錯誤。
2. 以較普遍的字、新的關鍵字、相似詞語重新搜尋
3. 嘗試擴大搜尋範圍，如搜尋全部分類或搜尋綜合問題狀態
4. 搜尋 [星象 Linux](#) 相關網頁



找不到你要的知識嗎？ [我要發問](#)

原諒我，推虎的朋友們...



一般使用者有機會獲得更好的軟體安裝經驗。





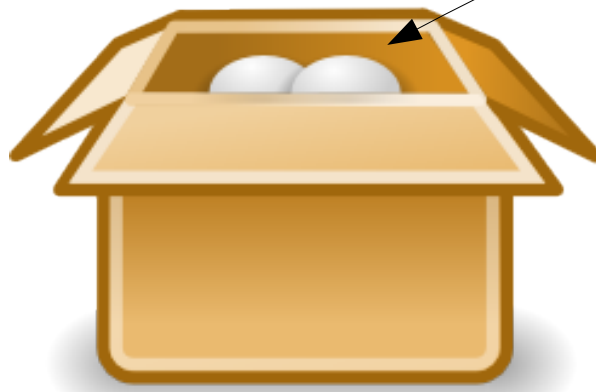
軟體安裝進化論

這張圖用小紅點畫的，ThinkPad 萬歲

開始之前，
請大家想像自己是 End users...



太古之初



It's good to drink?
義大利？

tgz

別鬧了。



套件管理

- deb/dpkg



debian



ubuntu

- rpm

fedora^f



suse[®]



dpkg/rpm

- 基礎的軟體管理工具
- 解決相依性問題
- 其他軟體管理工具的基礎建設
- 不是缺點的問題
 - 沒有網路功能
 - 不提供套件庫



加上網路功能

- apt, yum, zypper
- 可在網路的套件庫中搜尋、安裝軟體，並且解決相依性。



愛用推虎知識 - 的小明

- 媽呀，他只有指令介面！
- 我已經有一個 deb/rpm 檔怎麼安裝？
 - dpkg/rpm 不能幫我安裝其他相依的軟體
- 雖然說猴子都敲的出莎士比亞
 - 但小明卻裝不好 firefox。



Synaptic (Debian/Ubuntu)



Synaptic 套件管理程式

檔案(F) 編輯(E) 套件(P) 設定(S) 求助(H)

重新載入 標記所有升級 套用 屬性 搜尋

S	套件	已安裝版本	最新版本
<input type="checkbox"/>	asterisk-prompt-es		0.4-3ubuntu1
<input type="checkbox"/>	ckernit		211-9ubuntu1
<input type="checkbox"/>	conserver-client		8.1.16-1
<input type="checkbox"/>	conserver-server		8.1.16-1
<input type="checkbox"/>	gnuradio		3.0.4-2ubuntu1
<input type="checkbox"/>	gnuradio-examples		3.0.4-2ubuntu1
<input type="checkbox"/>	usrp		3.0.4-2ubuntu1
<input type="checkbox"/>	usrp-firmware		3.0.4-2ubuntu1

control applications and firmware for the USRP

The Universal Software Radio Peripheral (USRP) is an USB-connected, low-cost and open board. It features four high-speed analog-to-digital and digital-to-analog converters, an FPGA and a microcontroller. It's ideal for capturing or transmitting various signals, usually in combination with GNU Radio. The design schemas are available under a free license. Visit ettus.com for more information on the USRP.

列出了 8 個套件，1582 個已安裝，0 個安裝不完整。0 個將會安裝/升級，0 個將會移除



Gdebi (Debian/Ubuntu)

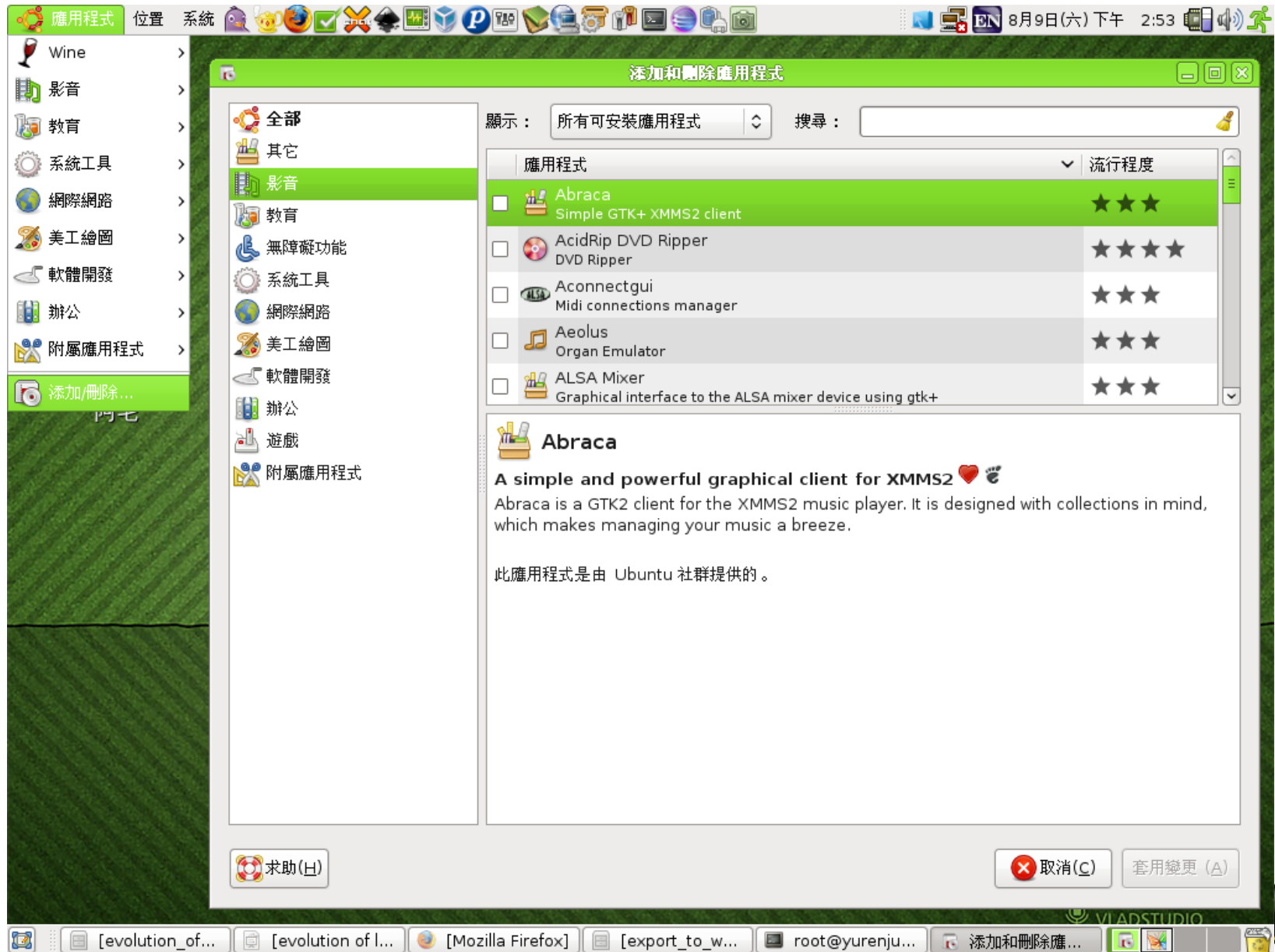


該死的小明

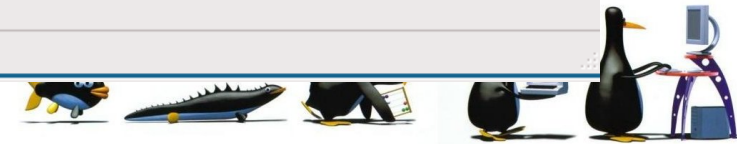
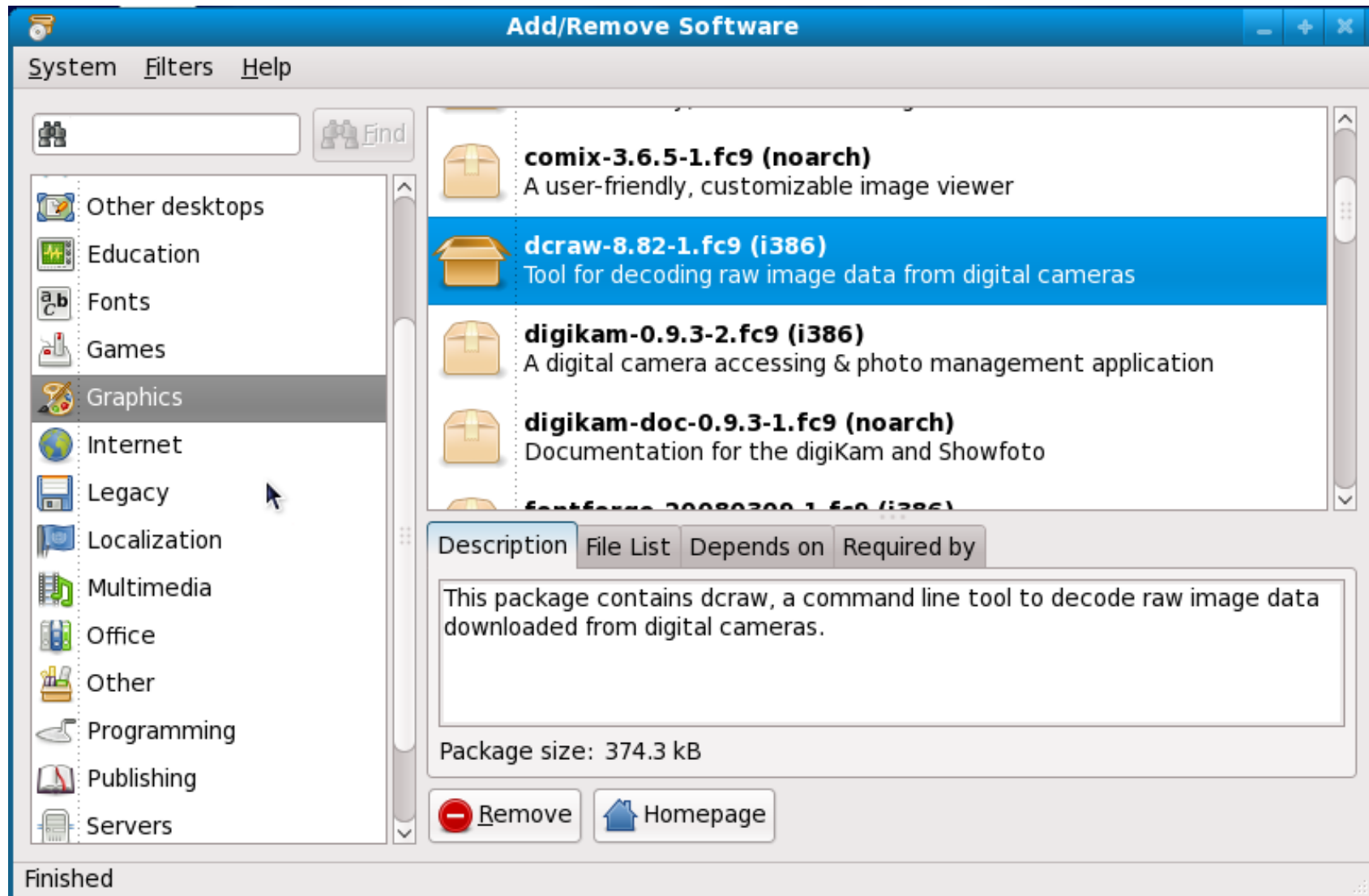
- 這分類也太難懂了吧。
- 還是得靠關鍵字搜尋才找得到軟體



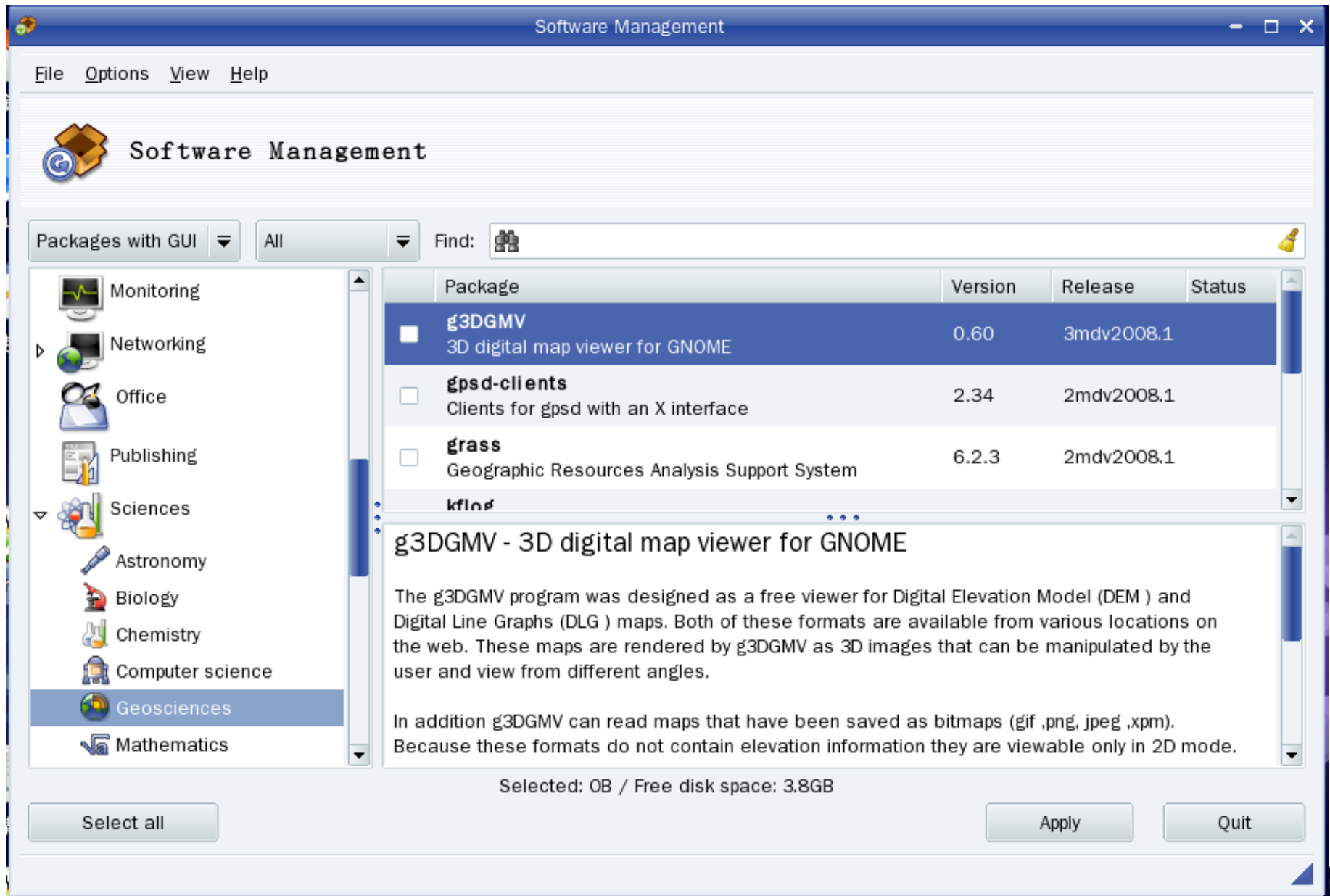
Gnome-app-install (ubuntu)



gpk-application/PackageKit (Fedora)




Rpmdrake (Mandriva)



Software Management

File Options View Help

Software Management

Packages with GUI All Find: 

Package	Version	Release	Status
<input checked="" type="checkbox"/> g3DGMV 3D digital map viewer for GNOME	0.60	3mdv2008.1	
<input type="checkbox"/> gpsd-clients Clients for gpsd with an X interface	2.34	2mdv2008.1	
<input type="checkbox"/> grass Geographic Resources Analysis Support System	6.2.3	2mdv2008.1	
kflop			

g3DGMV - 3D digital map viewer for GNOME

The g3DGMV program was designed as a free viewer for Digital Elevation Model (DEM) and Digital Line Graphs (DLG) maps. Both of these formats are available from various locations on the web. These maps are rendered by g3DGMV as 3D images that can be manipulated by the user and view from different angles.

In addition g3DGMV can read maps that have been saved as bitmaps (gif ,png, jpeg ,xpm). Because these formats do not contain elevation information they are viewable only in 2D mode.

Selected: 0B / Free disk space: 3.8GB

Select all Apply Quit

YaST (openSUSE)

套件選取 - YaST

套件選取

可用 升級 已安裝 全部

過濾器: 所有套件庫

- GNOME desktop
- Games
- Graphics
- KDE desktop
- Localization
- Multimedia
- Network
- Office

- fluidsynth
A Real-Time Software Synthesizer That Uses Soundfont(tm)
- fluidsynth-dssi
Fluidsynth Plug-In for Disposable Soft Synth Interface
- freqtweak**
Real-Time Audio Spectral Visualization
- gamix
GTK ALSA Audio Mixer
- gcdmaster
Graphical front end to cdrdao for composing audio CDs
- goom2k4
Program and Library for Visual Effects
- goom2k4-devel

Groups

freqtweak
FreqTweak is a tool for real-time audio spectral manipulation and display. It provides several algorithms for processing audio data in the frequency domain and a highly interactive GUI to manipulate the associated filters for each algorithm. It also provides high-resolution spectral displays in the form of scrolling-raster spectrograms and energy versus frequency plots displaying both nonprocessed and post-processed spectra.

可用的 :
0.6.1-238.1 (i586)
openSUSE-11.0-Oss

安裝

求助(H) 工具 取消(C) 套用(A)



這些軟體

- 足夠容易使用
- 分類較清楚
- 缺點
 - 哪些軟體比較多人用？我該選擇哪套？
 - 分類應該更讓人容易找到軟體（例如使用標籤）
 - 這些都是英文。
 - 軟體內容、敘述都由發行版本控制
 - 還能更好



Software Portal



CNR (Xandros/Linspire)

CNR (Beta) .com 最簡便的軟體取得途徑

： 登入 ； 建立帳號 ；

Linux 與網頁 Linux 軟體 網站軟體

尋找與安裝軟體

立即開始！

- 選擇超過 35,000 多種的免費與商業軟體
- 按一下即可安裝軟體
- 8,435,523 目前的 CNR 安裝

取得「CNR 用戶端」

選取您的 Linux 發佈版本

搜尋:

BOOKMARK

Summer 2008 Specials

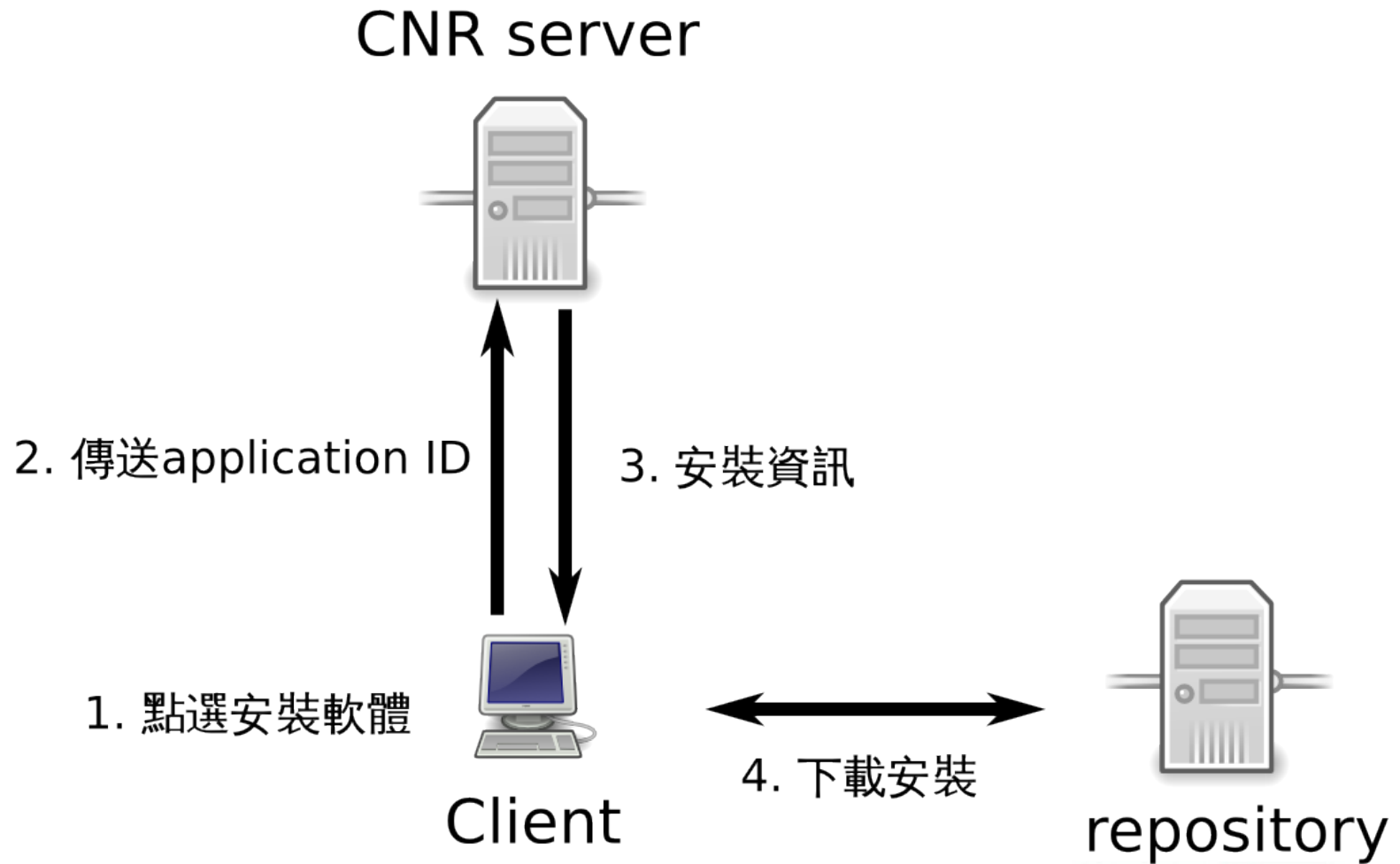
- Parallels**
★★★★☆ 立即購買/安裝
- Cedega Gaming Service**
★★★★☆ 立即購買/安裝
- CrossOver Linux Standard**
★★★★☆ 立即購買/安裝

熱門軟體

最熱門項目	最新發行	最搶手的商業軟體
1. CNR Client	1. File Bunker	1. DH: Lore Invasion
2. Firefox	2. GMail Notifier Desklet	2. Win4Lin Pro Desktop
3. Opera	3. Eternal Lands	3. Pixel Image Editor
4. Adobe Acrobat Reader	4. GMail Notifier PSI	4. Cedega Gaming Service
5. amaroK	5. KBear	5. Parallels
6. OpenOffice.org 2	6. Risk	6. StarOffice 8
7. CD Burner	7. Realrekord	7. Software Tycoon
8. GIMP	8. Uplink	8. ThinkTanks
9. SuperTux	9. Vuescan	9. TuxRacer Deluxe
10. Frozen Bubble	10. Daimonin	10. HyperSpace Delivery Boy

剛開始使用 CNR?
立即開始深入瞭解並使用服務。
前往

CNR



CNR

- 安裝容易
- 分類易於找到軟體
- 缺點
 - i18n (部份中文化)
 - 難以註冊
 - 使用者僅能提供 review
 - 不支援 mirror 站



Linux Mint

The screenshot shows the Linux Mint website with a green and white color scheme. At the top right is the Linux Mint logo with the tagline "from freedom came elegance". The main navigation bar includes links for Home, News, Community, Releases, Services (highlighted), and About. Below this is a secondary navigation bar with Software Portal, Official Store, and Professional Support. The main content area features a "Featured Software" section with banners for Skype, Open Arena, and Google Earth. To the right, there are icons for Donate, Participate, and Download, along with a search bar. Below the search bar is a "My account" section with links for Login and Register/reset password. Further down is a "Latest reviews" section listing Western Quake 3, Warzone 2100, and Amarak. The bottom section is titled "Software Categories" and lists various application types with their respective counts.

Home News Community Releases **Services** About

Software Portal Official Store Professional Support

Portal » Elyssa

Featured Software

- skype
- OPEN ARENA
- Google Earth

Donate Participate Download

My account

- Login
- Register/reset password

Latest reviews

- ★★★★★ Western Quake 3
- ★★★★★ Warzone 2100
- ★★★★★ Amarak

Best Rated

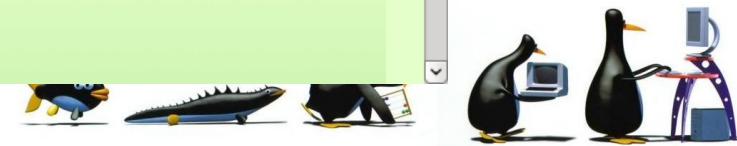
- ★ 12 - Amarok
- ★ 11 - K3b
- ★ 9 - Inkscape
- ★ 8 - Exaile
- ★ 7 - Firefox 3

Most Popular

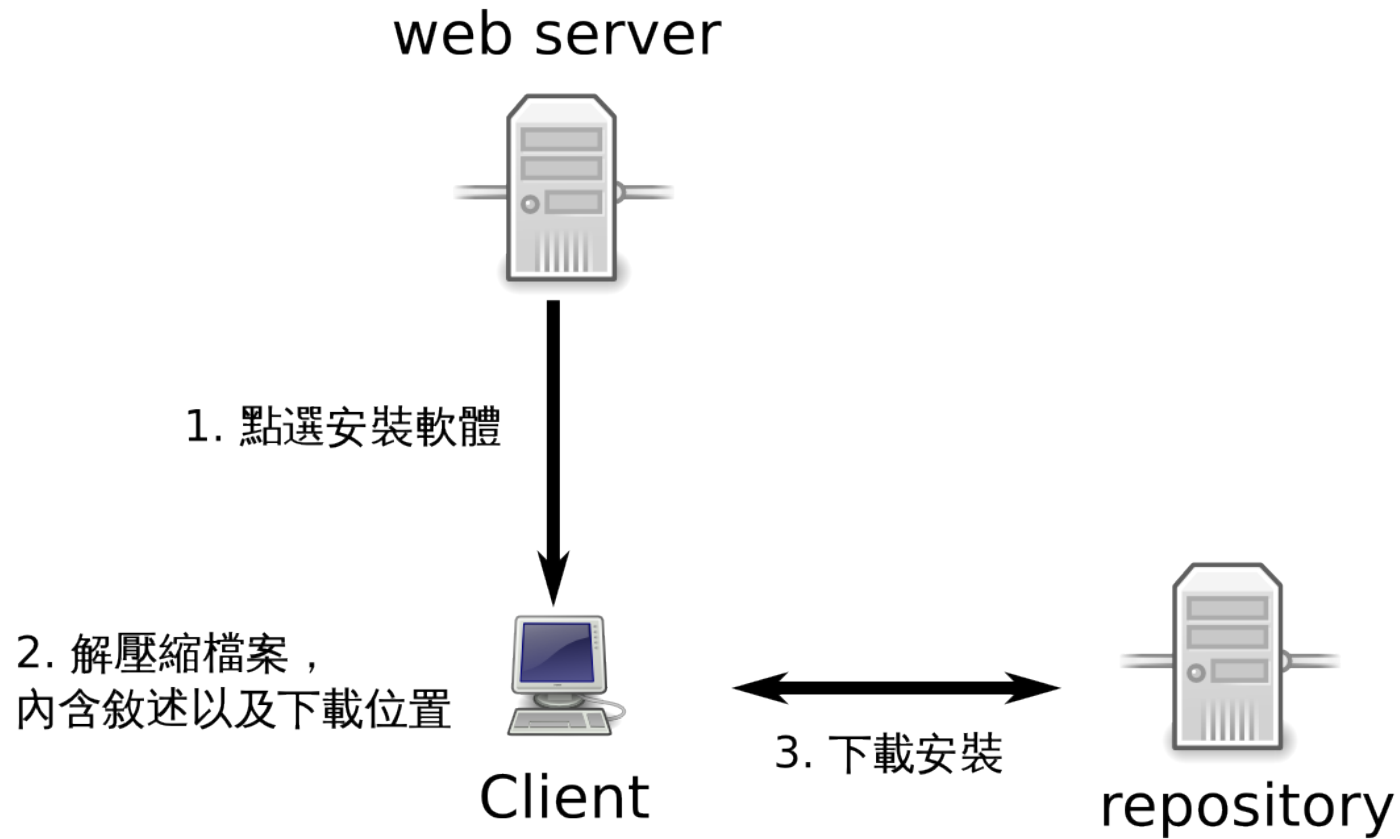
- ★ 13560 - Gnome Games
- ★ 9539 - Eye of GNOME
- ★ 8755 - Boson
- ★ 8605 - Firefox 3
- ★ 7701 - Warzone 2100

Software Categories

Accessories Applications: 30	Education Applications: 6	Games Applications: 73
Graphics Applications: 47	Internet Applications: 108	Office Applications: 77



Linux Mint



Linux Mint

- 網站做的不錯
- 缺點
 - 沒有 i18n
 - 註冊後，他用 root 丟了封信給我
 - 不支援 mirror 站



OpenSUSE – 1 click install

The screenshot shows the OpenSUSE website interface. At the top left is the OpenSUSE logo. A large orange banner at the top right says "Get it". Below this is a search bar with "amarok" entered and a dropdown menu set to "openSUSE 11.0". The search results show "1 collections and 47 binaries from 19 source packages" and a "Permanent link to this result". There are two results for "amarok": one from "KDE:Backports/openSUSE_11.0" and another from "openSUSE:11.0/standard". Both results include a "1-Click Install" button. The page also features a sidebar with navigation links like "Get Software", "Wiki", and "Build Software", and a right sidebar with "Get openSUSE" and "Sponsored by" sections.

openSUSE

- Get Software
- Wiki
- Build Software
- User Directory
- News
- Forums
- Shop

Getting Help

- Download Help
- Burn CD/DVD Image(s)
- Installation Guides
- Official Manuals

Software

- Software Search
- Package Repositories
- Update Repositories

Other Options

- Mirrors

Get Software from the openSUSE Build Service

amarok

openSUSE 11.0 Search

1 collections and 47 binaries from 19 source packages
[Permanent link to this result](#)

1 2

Using 10.2 or earlier? [Find out how to add the 1-Click Install capability to your system.](#)

amarok [Software collection] KDE:Backports/openSUSE_11.0

Amarok is the music player for Linux and Unix with an intuitive interface. Amarok makes playing the music you love easier than ever before - and looks [\[more\]](#)

1-Click Install

[Go to OBS Project](#)

amarok openSUSE:11.0/standard

1-Click Install

[Go to OBS Project](#)

Manual Package Download

i586	amarok-1.4.9.1-27.1.i586.rpm
ppc	amarok-1.4.9.1-27.1.ppc.rpm

Get openSUSE

Sponsored by

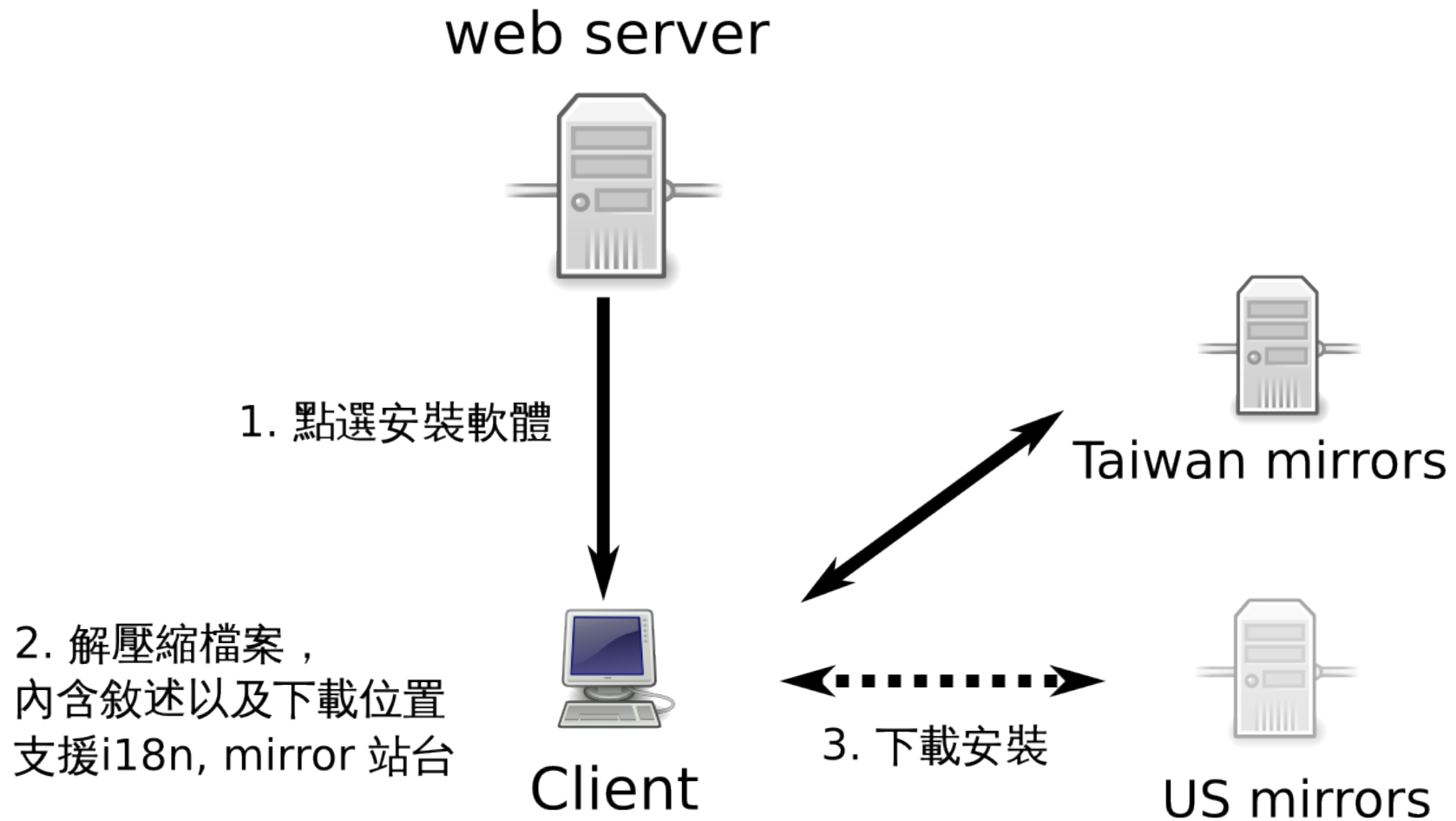
AMD Smarter Choice

IP Top Business Colocation Service German

Buy openSUSE

openSUSE 11.0

OpenSUSE – 1 click install



1 click install

- 規格支援...
 - i18n
 - Mirror
 - Open source
- 缺點
 - 規格支援，但是目前的敘述檔中沒有 i18n
 - 也沒有 mirror 站
 - Software portal 只有搜尋功能，沒有分類
 - 軟體使用可以再更簡單



如果，我們有機會設計
web base 的 Linux 軟體安裝機制...



使用者提供內容

- 補齊翻譯、 mirror 站等問題
- Wiki 的方式
- 社群的力量。



Firefox 擴充套件

- RDF 標記
- 讓 firefox 可以透過 apt 知道哪些軟體安裝了
- 而哪些還沒安裝。



簡易的 client

- 別讓使用者感到恐懼。
- 如果可以兼顧安全性的話，科科～



目標只有一個

- 使用者要怎麼從我們的網站找到他想要的軟體？



我們規劃的功能都比上述的任何現有軟體強！

- 但是目前只有嘴炮，沒有程式
- 歡迎有興趣的朋友一起來嘴炮 / 實作 :)



END

