

FreeSandal

樹莓派, 樹莓派之學習, 樹莓派之教育

【鼎革 · 革鼎】：RASPBIAN STRETCH 《六之 B》

2017-10-30 | 懸鉤子 | 發表迴響

將要如何開始旅程呢？也許先讀讀官方發佈通知的好，省得走許多冤枉路嘞！尤其是其注意事項哩：

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然後在安裝軟體前，先用

```
apt-cache search □□□
```

查詢有沒有那個東東。同時用

```
apt-cache show ○○○
```

知道它的詳細版本資料。

舉例說，作者想裝 pd-extended，於是查詢

```
1 pi@raspberrypi:~ $ apt-cache search pd-extended
2 pd-extendedview - toolkit for panoramic image creation and projection mapping
3 puredata-import - Pd object for loading libraries within a patch
```

後，故曉得沒有。所以考之

Project Description



Pd-extended was built to be an easy-to-install and thorough assembly of available libraries, extensions, and documentation. Unfortunately it is no longer maintained. Say it again:

Pd-extended has been abandoned and discontinued. The last release is several years old. USE AT YOUR OWN RISK (or rather not)

Pd-extended has two main goals: provide a standard collection of libraries and distribute core modifications to Pd itself. Providing a package that includes many libraries not only means that they are easy to use, but also acts as a standard platform so that patches can be used across many computers easily. Pd-extended includes most of the libraries from the pure-data source code repository. It is generally the most complete assembly of all available libraries, extensions, and documentation.

In terms of modifications to the core, Pd-extended aims to feel like a native app on GNOME GNU/Linux, Mac OS X, and Windows. It also includes a number of community-added features like experimental string support and a visual design meant to improve readability.

The aim is to keep it completely compatible with Pd-vanilla. That said, it is possible that incompatibilities will be introduced during the development process, these should be reported as bugs. Pd-vanilla is not always compatible with Pd-extended, though, since Pd-extended has some extra features with Pd-vanilla does not have.

，知道目前難得矣！！當聞樹莓派論壇上人講

no more pd-extended

grrrz

Tue Aug 29, 2017 9:06 pm

Just got a zero wifi and tried installing pd-extended using this method:

[https://puredata.info/downloads/pd-exte ... eezy-armhf](https://puredata.info/downloads/pd-exte... eezy-armhf)

I installed a few raspberry 3 using this method and it always worked (on raspbian Jessie I

think), but this time no luck, the “sudo apt-get -f install” just removes pd-extended (when it’s supposed to fix it with the correct dependencies). It’s like it knows all the libraries needed but refuses to install it.

Does it come from the new stretch, or are some libraries removed from the repositories, or is it a limitation of the zero? I don’t understand (and I’ll need to install it on a dozen raspberry 3 in the future. I can install pd vanilla but I use a lot of custom extended libs, would be a drag to have to find them all.

，就暫放一旁，且先安裝

```
1 pi@raspberrypi:~ $ apt-cache search puredata
2 deken - Externals wrangler for Pure Data - upload utility
3 multimedia-puredata - Packages for working with Pure Data
4 pd-aubio - aubio external for PureData
5 pd-csound - Csound external for PureData
6 pd-cyclone - Pd library of clones of Max/MSP 4.5 objects
7 pd-deken - Externals wrangler for Pure Data
8 pd-purepd - a library of standard objects re-implemented using Pd-vanilla
9 puredata - realtime computer music and graphics system
10 puredata-core - realtime computer music and graphics system - core components
11 puredata-gui - realtime computer music and graphics system - GUI
12 puredata-import - Pd object for loading libraries within a patch
13 puredata-dev - realtime computer music and graphics system - development files
14 puredata-doc - realtime computer music and graphics system - documentation
15 puredata-extra - realtime computer music and graphics system - extra files
16 puredata-utils - realtime computer music and graphics system - utility programs
```

```
1 pi@raspberrypi:~ $ apt-cache show puredata
2 Package: puredata
3 Version: 0.48.0-1~bpo9+1
4 Installed-Size: 31
5 Maintainer: IOhannes m zmölnig (Debian/GNU) <umlaeute@debian.org>
6 Architecture: all
7 Depends: puredata-core, puredata-gui, puredata-doc, puredata-extra, puredata-utils, pur
8 Recommends: gem
9 Suggests: pd-aubio, pd-csound, pd-pdp, pd-zexy, multimedia-puredata
10 Description-en: realtime computer music and graphics system
11 Pure Data (also known as Pd) is a real-time graphical programming environment
12 for audio and graphics processing. Pd's audio functions are built-in;
13 graphical computations require separate packages such as gem (Graphics
14 Environment for Multimedia) or pd-pdp (Pd Packet).
```

測試吧。

※ 因須讀程式碼、編譯、將之相容升級。

更於試裝『jack』環境時，發現 lilypond



竟然在 Debian Backports 裡?? 想用此程式庫必得先安裝

套件：dirmngr (2.2.1-4 以及其他的)

GNU privacy guard – network certificate management service

dirmngr is a server for managing and downloading OpenPGP and X.509 certificates, as well as updates and status signals related to those certificates. For OpenPGP, this means pulling from the public HKP/HKPS keyservers, or from LDAP servers. For X.509 this includes Certificate Revocation Lists (CRLs) and Online Certificate Status Protocol updates (OCSP). It is capable of using tor for network access.

dirmngr is used for network access by gpg, gpgsm, and dirmngr-client, among other tools. Unless this package is installed, the parts of the GnuPG suite that try to interact with the network will fail.

加上 sudo 的耶？！

```
1 sudo apt-get install dirmngr
2
3 sudo gpg --keyserver pgpkeys.mit.edu --recv-key □ □ □
4
5 sudo gpg -a --export □ □ □ | sudo apt-key add --
```

```
1 pi@raspberrypi:~ $ apt-cache show lilypond
2 Package: lilypond
3 Version: 2.18.2-11~bpo9+1
4 Installed-Size: 4702
5 Maintainer: Don Armstrong <don@debian.org>
6 Architecture: armhf
7 Depends: libc6 (>= 2.15), libfontconfig1 (>= 2.11), libfreetype6 (>= 2.2.1), libgcc1 (>
8 Recommends: texlive-latex-base
9 Suggests: lilypond-doc
10 Description-en: program for typesetting sheet music
11 LilyPond is a music typesetter, an automated engraving system. It
12 produces beautiful sheet music using a high level description file as input.
13 .
14 LilyPond supports many forms of music notation constructs, including
15 chord names, drum notation, figured bass, grace notes, guitar tablature,
16 modern notation (cluster notation and rhythmic grouping), tremolos,
17 (nested) tuplets in arbitrary ratios, and more.
18 .
19 LilyPond's text-based music input language support can integrate into
20 LaTeX, HTML and Texinfo seamlessly, allowing single sheet music
21 or musicological treatises to be written from a single source. Form and
22 content are separate, and with LilyPond's expert automated formatting,
23 users don't need typographical expertise to produce good notation.
24 .
25 LilyPond produces PDF, PostScript, SVG, or TeX printed output, as well
26 as MIDI for listening pleasures. LilyPond is exported from the
27 RoseGarden and NoteEdit GUIs, and can import ABC, ETF and MIDI.
28 .
29 LilyPond is part of the GNU Project.
30 .
31 Authors: Han-Wen Nienhuys <hanwen@cs.uu.nl>
32          Jan Nieuwenhuizen <janneke@gnu.org>
33 Description-md5: 815a9b1cee6dda8a4c295b8c6dbc2a26
34 Homepage: http://lilypond.org/
35 Section: tex
36 Priority: optional
37 Filename: pool/main/l/lilypond/lilypond_2.18.2-11~bpo9+1_armhf.deb
38 Size: 1699514
39 MD5sum: 256b8ebe1424293e2f3e002452182ca5
40 SHA256: 104377ea97493edb67c65bee1aab9a482ab84d9b235d6a8981e8f7857a4d3e40
```

網際網路安全之問題，當真盛行始於今日乎！？

