

Packages - Packaging Request #2874

Housekeeping # 3018 (open): Various uninstallable packages should be fixed, dropped, or blacklisted.

[python2-\*]: multiple packages dropped from arch

2020-08-24 03:28 AM - bill-auger

<b>Status:</b>	open	<b>% Done:</b>	14%
<b>Priority:</b>	broken		
<b>Assignee:</b>			
<b>Category:</b>			
<b>Description</b>			
due to calibre v5 dropping support for python2, several python2 dependencies of calibre v4 are planned to be dropped from arch - this is the calibre4 python2-* dependency chain:			
first-order:			
<div>python2-apsw : calibre3</div> <div>python2-beautifulsoup4 : calibre3</div> <div>python2-cssselect : calibre3</div> <div>python2-css-parser : calibre3</div> <div>python2-dateutil : calibre3 gnuhealth python2-caldav python2-freezegun syncthing-gtk tryton trytond</div> <div>python2-dbus : calibre3 flowblade gtg ibus idjc mugshot netatalk python2-efl xboxdrv zeroinstall-injector</div> <div>python2-dnspython : calibre3 mailman</div> <div>python2-feedparser : calibre3 rawdog</div> <div>python2-html2text : calibre3</div> <div>python2-html5-parser : calibre3</div> <div>python2-lxml : calibre3 mailpile ocrodjvu python2-caldav python2-html5-parser python2-relatorio trytond</div> <div>python2-markdown : calibre3 parabolaweb-utils</div> <div>python2-mechanize : calibre3</div> <div>python2-msgpack : calibre3 python2-cachecontrol python2-tarantool salt zeronet-git</div> <div>python2-netifaces : calibre3</div> <div>python2-psutil : calibre3</div> <div>python2-pychm : chm2pdf</div> <div>python2-pygments : calibre3 python2-prompt_toolkit1 python2-sphinx python2-webererror</div> <div>python2-pyqt5 : calibre3</div> <div>python2-regex : calibre3</div> <div>python2-ipaddress : python2-cryptography python2-pip</div>			
second order:			
<div>python2-caldav : gnuhealth</div> <div>python2-relatorio : trytond</div> <div>python2-cachecontrol : python2-pip</div> <div>python2-prompt_toolkit1 : ipython2</div> <div>python2-cryptography : mailpile python2-pyopenssl tahoe-lafs</div> <div>python2-pip : gnuhealth python2-reportlab</div>			
third-order:			
<div>python2-pyopenssl : python2-ndg-httpsclient python2-service-identity</div>			
fourth order:			
<div>python2-service-identity : sslstrip tahoe-lafs</div>			
<b>Subtasks:</b>			

Bug # 2704: [h-client] 'pygtk' dependency error	fixed
Bug # 2915: libusb update breaks calibre3	confirmed
Bug # 2934: [printron] missing dependency python2-pyqlet	confirmed
Bug # 3042: [calibre3]: unable to satisfy dependency 'python2-*' and 'libusbx'.	confirmed
Bug # 3170: [castle-combat]: unable to satisfy dependency 'python2-twisted' required by...	confirmed
Housekeeping # 3237: Remove pcr/python2* and libre/python2*	open
Bug # 3418: [h-client]: fails to install for Unresolved dependencies	confirmed
<b>Related issues:</b>	
Related to Packages - Freedom Issue #2791: [spyder] depends on webengine	confirmed

## History

### #1 - 2020-09-26 02:03 AM - bill-auger

<eschwartz> warning: I just released calibre 5.0 to the arch repos. It's python3-only, so I dropped some old modules I don't need anymore.  
 <eschwartz> You do need them, for calibre 3.x sans webengine -- so before the next parabola sync, you need to add them yourself  
 <eschwartz> you can see the PKGBUILDs I modified/dropped here: <https://git.archlinux.org/svntogit/community.git/log/?qt=grep&q=python2>  
 <eschwartz> basically you need python2-{apsw,css-parser,html2text,html5-parser,markdown,mechanize,netifaces,pychm,regex,unrar.dll} - possibly not pychm  
 <eschwartz> you'll need to also add some pyqt stuff whenever arojas drops those from [extra]

### #2 - 2020-10-24 01:40 PM - freemor

- Related to Bug #2915: libusb update breaks calibre3 added

### #3 - 2020-10-25 08:33 PM - bill-auger

the dependency chain in the OP was based on the deps for calibre v4 - for calibre3 these 8 are unavailable:

```
$ pkgs=$(pactree ${OPTS} --sync calibre3) # where $OPTS is a custom --dbpath= --config=
# searching all repos
$ for pkg in $pkgs ; do pacman -Ssq $pkg | grep ^$pkg$ > /dev/null || echo "n/a: $pkg" ; done
n/a: python2-apsw
n/a: python2-css-parser
n/a: python2-html2text
n/a: python2-html5-parser
n/a: python2-mechanize
n/a: python2-netifaces
n/a: python2-pyqt5
n/a: python2-regex
```

re: python2-unrar.dll (mentioned by eli) - that is the original reason why calibre is on the blacklist (no unrar)

### #4 - 2020-12-04 08:24 AM - bill-auger

- Related to deleted (Bug #2915: libusb update breaks calibre3)

### #5 - 2021-06-04 01:02 PM - bill-auger

- Related to Bug #3042: [calibre3]: unable to satisfy dependency 'python2-\*' and 'libusbx'. added

### #6 - 2022-04-30 03:15 AM - bill-auger

- Parent task set to #3018

### #7 - 2022-09-28 04:20 PM - bill-auger

now that arch has dropped python2, this is the final list of affected parabola packages

```
$ sudo parabola-dependents -v python2
updating database ....
package: 'python2' not found - creating dummy package
dummy package 'python2' created
querying database ....
compiling results for (143) dependents ....
searching abslibre ....
```

direct and transitive parabola dependents:

```
[python2] <- pcr/apenwarr-redo
[python2] <- libre/asciidoc
[python2] <- libre/b43-tools
[python2] <- pcr/boswars
[python2] <- pcr/cherokee
[python2] <- pcr/cwiid
[python2] <- pcr/darcsver
[python2] <- pcr/django-social-auth
[python2] <- pcr/dratmenu
[python2] <- pcr/ganglia
[python2] <- pcr/gtg
[python2] <- pcr/h-client
[python2] <- pcr/idjc
[python2] <- pcr/ipycli-git
[python2] <- pcr/kamailio-python-modules
[python2] <- libre/kodi-bin
[python2] <- libre/kodi-gbm
[python2] <- kodi-gbm <- libre/kodi
[python2] <- kodi-gbm <- kodi <- libre/kodi-dev
[python2] <- kodi-gbm <- kodi <- pcr/kodi-standalone-service
[python2] <- kodi-gbm <- kodi <- libre/kodi-wayland
[python2] <- kodi-gbm <- kodi <- libre/kodi-x11
[python2] <- pcr/mimms
[python2] <- pcr/mkbootimg
[python2] <- pcr/mozilla-addon-sdk
[python2] <- pcr/mozilla-devscripts
[python2] <- pcr/netatalk
[python2] <- pcr/nevow
[python2] <- nevow <- pcr/tahoe-lafs
[python2] <- pcr/ocrodjvu
[python2] <- pcr/openchange
[python2] <- openchange <- pcr/evolution-mapi
[python2] <- libre/parabolaweb-utils
[python2] <- pcr/phantomjs
[python2] <- pcr/pycryptopp
[python2] <- pcr/pysheng
[python2] <- pcr/python2-arxiv2bib
[python2] <- pcr/python2-async
[python2] <- pcr/python2-authres
[python2] <- libre/python2-bencode
[python2] <- pcr/python2-bibtexparses
[python2] <- pcr/python2-caldav
[python2] <- python2-caldav <- pcr/gnuhealth
[python2] <- pcr/python2-carrot
[python2] <- libre/python2-django1.8
[python2] <- python2-django1.8 <- libre/python2-django-countries
[python2] <- python2-django1.8 <- libre/python2-django-jinja
[python2] <- python2-django1.8 <- pcr/python2-django-tagging
[python2] <- pcr/python2-djvulibre
[python2] <- pcr/python2-dukpy
[python2] <- python2-dukpy <- libre/calibre3
[python2] <- pcr/python2-filetype
[python2] <- pcr/python2-flask-lesscss
[python2] <- pcr/python2-habanero
[python2] <- pcr/python2-interruptingcow
[python2] <- pcr/python2-isbnlib
[python2] <- libre/python2-jsmin
[python2] <- pcr/python2-liblarch
[python2] <- libre/python2-markdown2
[python2] <- libre/python2-markupsafe0
[python2] <- python2-markupsafe0 <- pcr/mailpile
[python2] <- pcr/python2-paste-deploy
[python2] <- python2-paste-deploy <- pcr/python2-paste-script
[python2] <- python2-paste-deploy <- python2-paste-script <- pcr/python2-pylons
[python2] <- pcr/python2-pefile
[python2] <- libre/python2-pgpdump
[python2] <- pcr/python2-pkgtools
[python2] <- pcr/python2-polib
[python2] <- python2-polib <- pcr/trytond
[python2] <- python2-polib <- trytond <- pcr/trytond-account
[python2] <- python2-polib <- trytond <- trytond-account <- pcr/trytond-account-invoice
[python2] <- python2-polib <- trytond <- trytond-account <- trytond-account-invoice <- pcr/trytond-account-invoice-stock
[python2] <- python2-polib <- trytond <- trytond-account <- trytond-account-invoice <- trytond-account-invo
```

```

ice-stock <- pcr/trytond-purchase
[python2] <- python2-polib <- trytond <- trytond-account <- trytond-account-invoice <- trytond-account-invo
ice-stock <- trytond-purchase <- pcr/trytond-stock-supply
[python2] <- python2-polib <- trytond <- trytond-account <- pcr/trytond-account-product
[python2] <- python2-polib <- trytond <- pcr/trytond-calendar
[python2] <- python2-polib <- trytond <- pcr/trytond-company
[python2] <- python2-polib <- trytond <- trytond-company <- pcr/trytond-stock
[python2] <- python2-polib <- trytond <- trytond-company <- trytond-stock <- pcr/trytond-stock-lot
[python2] <- python2-polib <- trytond <- pcr/trytond-country
[python2] <- python2-polib <- trytond <- trytond-country <- pcr/trytond-party
[python2] <- python2-polib <- trytond <- pcr/trytond-currency
[python2] <- python2-polib <- trytond <- pcr/trytond-product
[python2] <- python2-polib <- trytond <- pcr/trytond-webdav
[python2] <- pcr/python2-potr
[python2] <- libre/python2-psycpg2.6
[python2] <- pcr/python2-pycrypto
[python2] <- pcr/python2-pyliblzma
[python2] <- pcr/python2-pyparser
[python2] <- pcr/python2-pyutil
[python2] <- python2-pyutil <- pcr/python2-zbase32
[python2] <- python2-pyutil <- pcr/zfec
[python2] <- pcr/python2-pywebdav
[python2] <- pcr/python2-pywebdav3
[python2] <- pcr/python2-qrtools
[python2] <- libre/python2-reportlab
[python2] <- pcr/python2-rospkg
[python2] <- pcr/python2-slugify
[python2] <- pcr/python2-sql
[python2] <- pcr/python2-stdnum
[python2] <- pcr/python2-vcstools
[python2] <- pcr/python2-weberror
[python2] <- pcr/python2-webhelpers
[python2] <- pcr/python2-wsgiref
[python2] <- pcr/pyzenity
[python2] <- pcr/reencode
[python2] <- pcr/texttext
[python2] <- pcr/timekpr
[python2] <- pcr/youtube-dl-gui
[python2] <- pcr/zeronet-git

```

```

parabola build dependents:
  pcr/beecrypt
  pcr/triceratops-lv2
  pcr/kodi-standalone-service

```

#### #8 - 2022-09-28 11:39 PM - gap

In [#3237](#) I made a table of packages which can be purged without controversy.

As for almost all of these other packages, I'd also recommend purging.

Python 2 went EOL about 2.75 years ago, so the maintainers of these packages have been given a more than generous time window to port them to Python 3, rewrite them in another programming language, or otherwise remove the dependence on Python 2.

There is no reason to expect those maintainers to suddenly start working on them now.

If users find that a package they use is gone or broken due to the removal of Python 2, they will surely report the issue and we can rescue that package if the maintenance burden vs desirability tradeoff is in the favour of doing so.

Nothing in that list really jumps out to me as desirable other than the few packages in the libre repo we need to keep in order to remain compatible with Arch.

For AsciiDoc and Kodi, I think Python 2 is just a scripting interface, so they should be okay to keep with minimal modifications.

For purged packages written in an unmaintained scripting language, I say good riddance.

#### #9 - 2022-09-29 01:37 PM - bill-auger

the maintainers of these packages have been given a more than generous time

it is a problem for some libre replacements such as calibre - the calibre devs did migrate it to python3; but they also added webengine; so the python3 version of calibre is useless to parabola - it is a quite a popular program; but it probably just needs to go away now

**#10 - 2023-02-19 07:28 AM - bill-auger**

- *Related to Freedom Issue #2791: [spyder] depends on webengine added*