

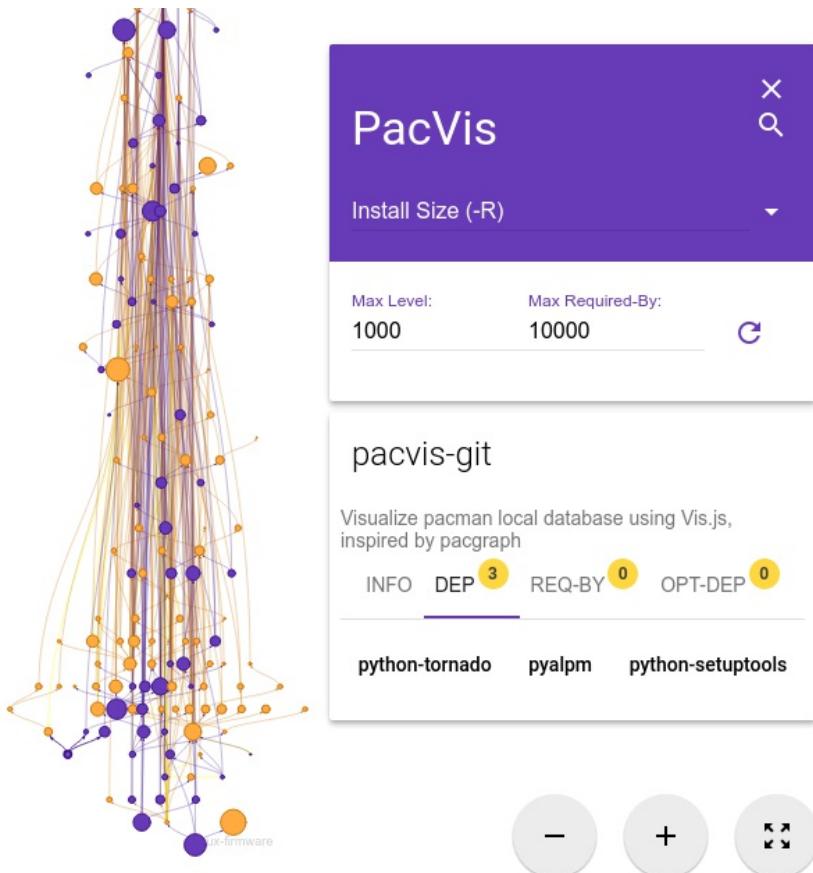
PacVis: pacman



-
- PacVis
 - PacVis
 - pactree
 - pacgraph - PacVis
 - PacVis
 - PacVis
 -

-
 -
 - Linux
 - pacman -Qtd
- PacVis

PacVis

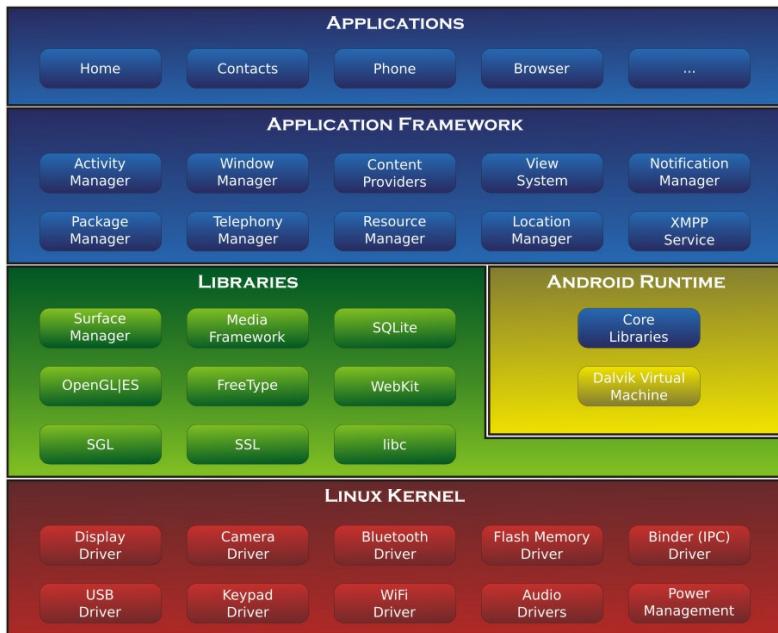


PacVis

Arch Linux Arch Linux Arch
Linux Debian/Fedora/openSUSE
Arch 3 10 Arch Linux PKGBUILD

Arch Linux Arch Linux ArchWiki
pacstrap /mnt base /mnt
base base
pacman -Qtd

- 1.
- 2.
- 3.



Android

macOS

Android Linux

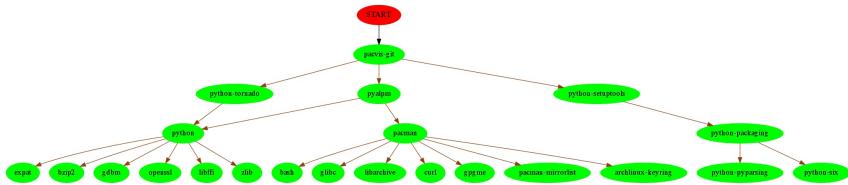
Linux Linux Linux

PacVis

PacVis PacVis PacVis

pactree

```
pactree ..... pacman ..... pactree  
--graph pactree ..... dot dot  
  
pactree pacvis-git -d3 --graph | dot -  
Tpng >pacvis-pactree.png
```



```
1 $ pactree pacvis-git -d3
2 pacvis-git
3   |-python-tornado
4     \-python
5       |-expat
6       |-bzip2
7       |-gdbm
8       |-openssl
9       |-libffi
10      \-zlib
11    |-pyalpm
12      \-python
13      \-pacman
14        |-bash
15        |-glibc
16        |-libarchive
17        |-curl
18        |-gpgme
19        |-pacman-mirrorlist
20        \-archlinux-keyring
21    |-python-setuptools
22      \-python-packaging
23        |-python-pyparsing
24        \-python-six
25 $ pactree pacvis-git -d3 --graph | dot -Tpng >pacvis-pactree.png
```

(Tree) PacVis bash/python
pactree pacman pactree dot

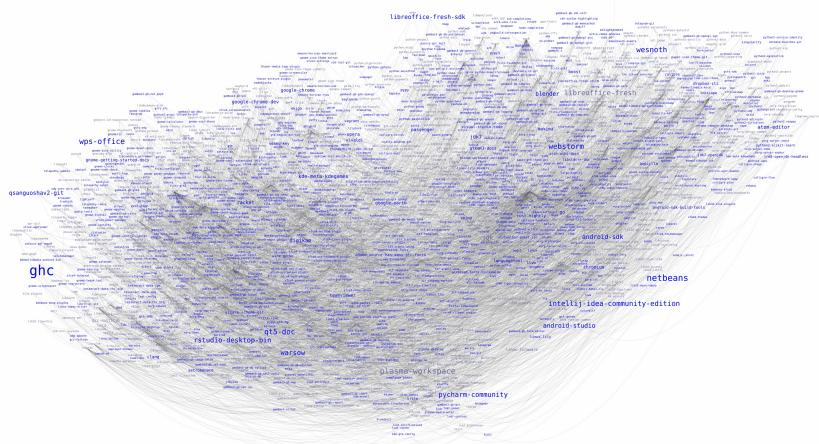
pactree PacVis pacman alpm
pactree C PacVis pacman pyalpm
alpm Python pactree alpm PacVis

pacgraph

pacgraph

29726MB

android-ndk



pacgraph Arch Linux Trusted User
keenerd PacVis Python pactree
pacgraph dot

pacgraph pacgraph

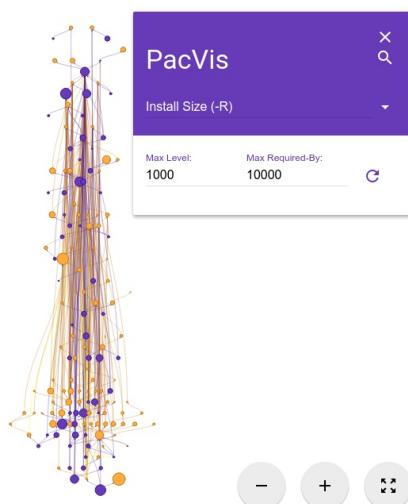
pacgraph GUI pacgraph-tk tk
GUI

pacgraph pactree

pacgraph pacgraph
pacgraph

PacVis

PacVis

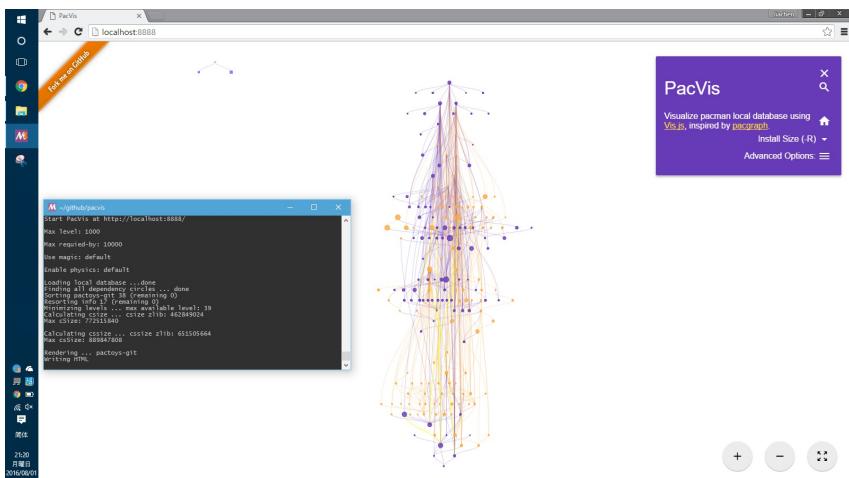


AUR pacvis [pacvis-git](#) pacvis
aurhelper aur PKGBUILD

```
1 ~$ git clone aur@aur.archlinux.org:pacvis-git.git
2 ~$ cd pacvis-git
3 ~/pacvis-git$ makepkg -si
4 ~/pacvis-git$ pacvis
5 Start PacVis at http://localhost:8888
```

<http://localhost:8888/> PacVis
demo: <https://pacvis.farseerfc.me/>

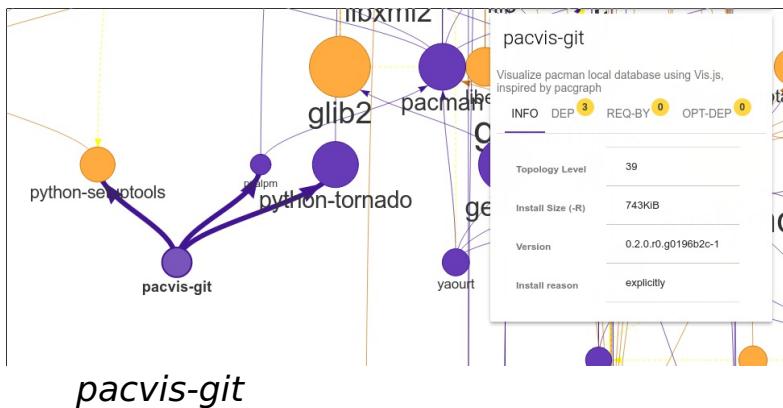
Windows msys2 PacVis



PacVis pyalpm tornado pacman
Windows msys2 msys2 tornado

PacVis

PacVis Google Maps



pacvis-git pyalpm, python-tornado
python-setuptools pyalpm pacman



PacVis pacvis-git 39
pyalpm 38 pyalpm pacman 37
PacVis pacgraph

PacVis Dep Req-By

Max Level

PacVis PacVis PacVis

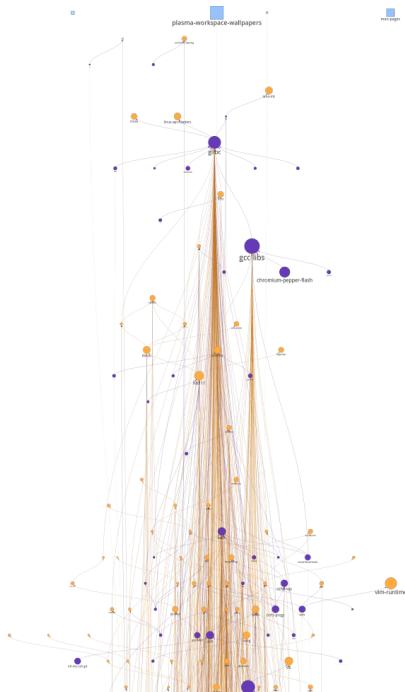
Max Required-By

PacVis PacVis glibc gcc-libs
PacVis

PacVis

KDE PacVis

17M



glibc

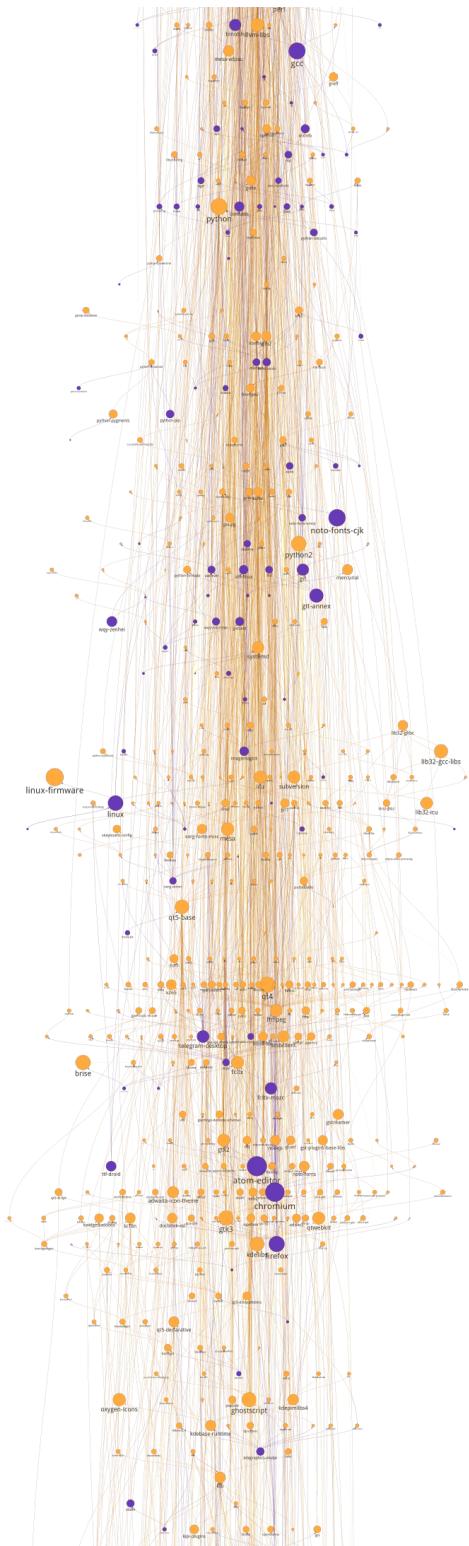
gcc-libs

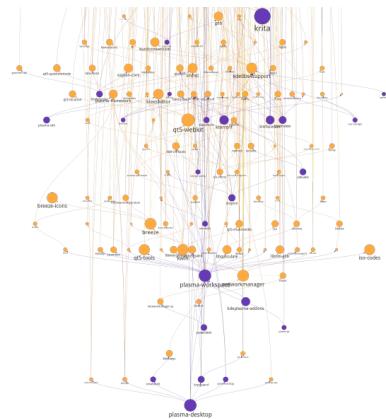
libx11

bash

vim

perl





krita

plasma-framework

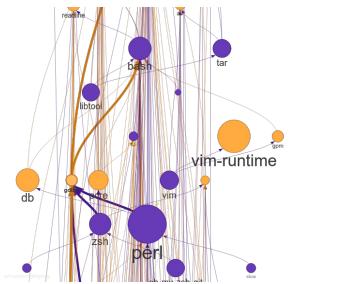
plasma-workspace

plasma-desktop

PacVis glibc

- glibc C
 - Bash/Perl/Python
 - coreutils/gcc/binutils
 - pacman / systemd
 - gtk{2,3}/qt{4,5} GUI toolkit
 - chromium GUI
 - Plasma/Gnome

zsh gdbm bash zsh bash
python Arch Linux python3 python2
pypy



zsh gdbm bash

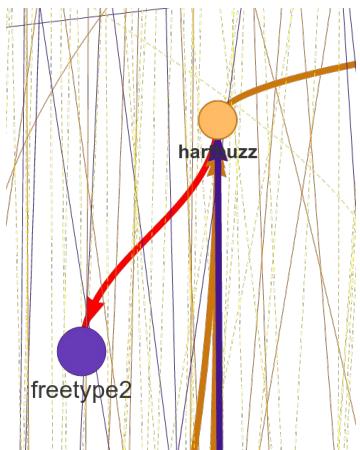
qt5-base < qt4 < gtk2 < gtk3 qt5

qt4 gtk qt

freetype2 harfbuzz freetype2

harfbuzz OpenType KDE kio

kinit FUSE KDE



freetype2 harfbuzz

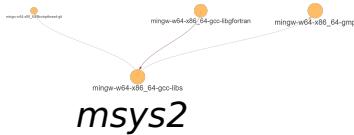
PacVis



Linux

glibc glibc syscall glibc
GNU GNU/Linux Linux demo
Linux mkinitcpio

pacman -Qtd



msys2 PacVis

pacman -Qtd
pacman -Qtd

PacVis

PacVis

1. optdeps optdeps
2. provides PacVis alpm
3. (core/extr/community/...)
4. pactree/pacgraph

PacVis issue