

Pro-audio on Arch Linux (revisited)

David Runge

Arch Linux

10.06.2018

Contents

1 Arch?

2 The past

3 Changes since November 2017

4 TODOs TODOs TODOs

5 Use-cases

6 Contact

Arch Linux

- Small, simple and rolling release
- Different layers of binary repositories
- Extensive user repository with installation scripts (AUR)
- 36 developers, 48 trusted users

Repositories overview

- [core], [extra] maintained by *developers*
- [community] maintained by *trusted users*
- AUR maintained by *anyone*, supervised by *trusted users*
- (theoretical) package flow: AUR <-> [community] <-> [extra] -> [core]
- pro-audio applications mostly in [community] or [AUR], few in [extra]

[community] status quo for pro-audio

- many (long) outdated packages
- package maintainers M.I.A.
- no new additions for years
- Dedicated Arch Audio project dead

Revised, fixed, rebuilt and taken over (for reproducible builds)

a2jmidid, aeolus, amb-plugins, ams, amsynth, ardour, aubio, audacity, blop, caps, cinelerra-cv, clthreads, clxclient, cmt, dbus-c++, drumkv1, drumstick, dssi, dssi-vst, ecasound, fil-plugins, fltk, fluidsynth, g2reverb, ganv, gignedit, guitarix2, harvid, hydrogen, jack, jack2, jalv, jsampler, lash, libffado, libfishsound, libgig, liblo, liblrdf, libltc, liboggz, libsmf, lilv, linuxsampler, lmms, lv2, mcp-plugins, meterbridge, patchage, pd, pvoc, qjackctl, qmidiarp, qsynth, qtractor, raul, rev-plugins, rosegarden, rubberband, samplv1, schedtool, serd, snd, solfege, sonic-visualizer, sord, sox, sratom, suil, supercollider, sweep, swh-plugins, synthv1, tap-plugins, timidity-freepats, twolame, v4l2ucp, vamp-aubio-plugins, vamp-plugin-sdk, vco-plugins, vim-csound, vmpk, wah-plugins, xjadeo, zita-alsa-pcmi, zita-resampler, zita-convolver, zynaddsubfx

New additions in [community]

aj-snapshot, artyfx, avldrums.lv2, blop.lv2, cadence, carla, convolv2, csound, csoundqt, din, dpf-plugins, drumgizmo, eteroj.lv2, fabla, faust, fomp.lv2, freewheeling, giada, helm, infamousplugins, ir.lv2, jack_capture, jacktrip, liblscp, luppp, mda.lv2, midi_matrix.lv2, moony.lv2, non-mixer, non-sequencer, non-session-manager, non-timeline, ntk, osmid, padthv1, patchmatrix, python{,2}-{ethtool,linux-procfs,schedutils,inet_diag}, qastools, qmidinet, qmidiroute, qsampler, rtaudio, rtirq, rtmidi, rt-tests, sc3-plugins, sherlock.lv2, sonic-pi, sorcer, spectmorph, tuna, vm.lv2, x42-plugins, yoshimi, zam-plugins, zita-{ajbridge,at1,bls1,dpl1,lrx,mu1,njbridge,rev1}

Grouping

- lv2-plugins
- ladspa-plugins
- pro-audio
- realtime

Contact

- Mailing list: arch-proaudio@lists.archlinux.org¹
- IRC: [#archlinux-proaudio@freenode.net](https://freenode.net)

¹<https://lists.archlinux.org/listinfo/arch-proaudio>

JACK

- udev rules and limits.conf should be shared between jack and jack2
- rtprio dangerously high!

linux-rt and linux-rt-lts

- should really be in [community]
- requires more maintainers!
- kudos to **Joakim Hernberg** for maintaining them in the AUR for many years!

MorrRrre packages

- there can not be enough pro-audio packages and tools
- horrible upstreams make packaging no fun (e.g. HFS compliance for *sonic-pi*)
- middle ground between very old and unmaintained projects vs. not being able to find the new ones
- more maintainers!

Documentation

- Pro-audio wiki article cleanup
- Establish more best practices in ArchWiki

Getting an overview

- show all lv2 plugins

```
pacman -Sg lv2-plugins
```

- show all ladspa plugins

```
pacman -Sg ladspa-plugins
```

- show all pro-audio packages

```
pacman -Sg pro-audio
```

- show all realtime packages

```
pacman -Sg realtime
```

Installing

- install all lv2 plugins

```
pacman -S lv2-plugins
```

- install all ladspa plugins

```
pacman -S ladspa-plugins
```

- install all pro-audio packages

```
pacman -S pro-audio
```

- install all realtime packages

```
pacman -S realtime
```

Contact

David Runge

Mail: dave@sleepmap.de

XMPP: dvzrv@sleepmap.de

IRC: dvzrv@{freenode,hackint,oftc}