

Packages - Packaging request #1962

[polybar] Add package to pcr

2018-08-20 04:01 AM - Anonymous

Status: forwarded upstream	% Done: 0%
Priority: wish	
Assignee:	
Category:	
Description polybar is a nice status bar for i3 window manager I think it should be added to the repo https://github.com/jaagr/polybar	

History

#1 - 2018-08-20 04:39 AM - ovruni

- Priority changed from bug to wish

- Subject changed from polybar to [polybar] Add package to pcr

#2 - 2018-09-08 01:24 AM - freemor

Looks do-able but the:

<https://github.com/jaagr/xpp>

part has an odd license I've not seen before. Looks fine But I'd prefer to get more experienced eyes on it before I roll this into PCR

#3 - 2019-05-27 02:46 PM - theova

- File PKGBUILD added

- File polybar.install added

Licenses and Dependencies

Polybar is [licensed](#) under the MIT license.

It includes the following [submodules](#):

Name	License	FSDG-compliant
i3ipc++	MIT (source)	yes
xpp	custom (source)	yes ?

The LICENSE of xpp is nearly the MIT license. The difference is, that there are two (many?) license holders mentioned:

Original work Copyright (c) 2018, Jochen Keil

Modified work Copyright 2018, Michael Carlberg (jaagr) and contributors

I've just began learning about licenses. Does anybody know, whether this may be a problem? If knowbody knows, I can contact the FSF and investigate further.

Build Dependencie

"The following dependencies are only needed during compilation, you can remove them, if you don't need them, after you built polybar."

N	P	R
a	a	e
m	c	p
e	k	o
	a	
	g	
	e	

g c c > = 5. 1	g c c	c o r e
cl a n g > = 3. 4	cl a n g	e x t r a
gi t	gi t	e x t r a
c m a k e > = 3. 1	c m a k e	e x t r a
s p h i n x	s p h i n x	p c r

Hard Dependencies

"These are the hard dependencies, you cannot build or run polybar without them":

Dependency	Package	Repo
cairo	cairo	extra
libxcb	libxcb	extra
xcb-proto	xcb-proto	extra
xcb-util-image	xcb-util-image	extra
xcb-util-wm	xcb-util-wm	extra

Optional Dependencies

"These dependencies enable optional features in polybar, if they are installed during compilation:"

Optional Dependence ncy	Required for	Package	Repo
xcb-xkb	`internal/x keyboard`	libxcb ?	extra
xcb-util-xr m	`\${xrd:.... }`	xcb-util-xr m	communit y
xcb-util-cu rsor	`cursor-cli ck`
`cursor- scroll`	xcb-util-cu rsor	communit y
alsa-lib	`internal/a lsa`	alsa-lib	extra
libpulse	`internal/p ulseaudio`	libpulse	extra
i3-wm	`internal/i	i3-wm	communit

	3`		y
jsoncpp	`internal/i3`	jsoncpp	extra
libmpdclient	`internal/mpd`	libmpdclient	extra
libcurl	`internal/github`	curl	core
wireless_tools (deprecated)	`internal/network`	wireless_tools	core
libnl-genl	`internal/network`	libnl	core

Although these dependencies are called optional, they are not threatened as this in the PKGBUILD. The [reason](#) is: "[Polybar] current build setup links the shared libraries for the optional dependencies at compile time which makes the whole executable not start, if the libraries it was linked against are missing."

Therefore, I have declared them as (obligatory) dependencies as suggested [here](#).

PKGBUILD

Is attached. I was able to build the package for all 3 architectures.

Testing

- The example config runs quite well. To run completely correct, one would need to install additional fonts (from AUR), which are not in Parabola yet. We could replace the fonts in the example config. Furthermore, there needs some more configuration to be done.
- My personal config runs without any problems.
- There are some further [tests](#) provided. As they need networking connection during the build process, I have not included them in check(). I was able to successfully run them with makepkg.

Maintenance load of this package

The PKGBUILD is quite simple and does not change too much (1-3 releases/year). One thing which is an additional load, is that polybar has to be rebuilt when jsoncpp is upgraded (see [here](#), this happens 1-4/year). I am willing to further contribute to this package with further rebuilding and patches.

#4 - 2019-05-29 08:12 PM - freemor

Taking a look now...

With re-looking at the xpp license I suspect that it won't interact badly with the GPL as I do not see any abridging of the four freedoms.

You didn't include yourself as a Contributor: How would you like to be listed there

I'll have to read up a bit about changing the op-depends into hard depends tho your reasoning seems sound.

I'll do a test build and see how it goes.

Nice Work.

#5 - 2019-05-31 03:52 PM - theova

freemor wrote:

You didn't include yourself as a Contributor: How would you like to be listed there

Oh, yes please include me as

```
Contributor: Theova <theova@member.fsf.org>
```

#6 - 2019-08-01 11:53 AM - theova

- File PKGBUILD added

Update PKGBUILD to v3.4.0.

#7 - 2019-11-03 01:05 PM - theova

- File PKGBUILD added

Update: PKGBUILD v3.4.1

In the meantime, the AUR package changed many of the optdepends to normal dependencies.

#8 - 2019-11-03 02:39 PM - eschwartz

We (the Arch Linux Trusted Users team) intend to move polybar to [community], but cannot/will not until polybar uses a plugin architecture that fixes the problem of optional compile-time dependencies that are hard runtime dependencies. You will notice that <https://github.com/polybar/polybar/issues/1406> was submitted by a TU.

I would not consider this worth packaging before that issue is resolved, and after it is resolved it won't make sense to package it in [pcr] since it will be in [community].

#9 - 2019-11-03 03:07 PM - bill-auger

- Status changed from open to forwarded upstream

Files

polybar.install	558 Bytes	2019-05-27	theova
PKGBUILD	1.16 KB	2019-05-27	theova
PKGBUILD	1.23 KB	2019-08-01	theova
PKGBUILD	1.14 KB	2019-11-03	theova