

Packages - Bug #331

Broken texlive-bin-libre Dependency for libpng15

2013-05-11 08:19 AM - Anonymous

Status:	fixed	% Done:	0%
Priority:	broken		
Assignee:			
Category:			
Description			
<p>After updating my system today, the <i>TeX Live</i> programs (<i>pdflatex</i>, <i>xelatex</i>, ...) fail to process PNG images due to the (now?) missing library <i>libpng15.so.15</i>.</p>			
<pre>\$ ldd `which xelatex` linux-vdso.so.1 (0x00007fff9d3fe000) libpoppler.so.36 => /usr/lib/libpoppler.so.36 (0x00007fc76f2f1000) libpng15.so.15 => not found libfontconfig.so.1 => /usr/lib/libfontconfig.so.1 (0x00007fc76f0b5000) libfreetype.so.6 => /usr/lib/libfreetype.so.6 (0x00007fc76ee16000) libz.so.1 => /usr/lib/libz.so.1 (0x00007fc76ec00000) libstdc++.so.6 => /usr/lib/libstdc++.so.6 (0x00007fc76e8fc000) libm.so.6 => /usr/lib/libm.so.6 (0x00007fc76e5fe000) libgcc_s.so.1 => /usr/lib/libgcc_s.so.1 (0x00007fc76e3e8000) libc.so.6 => /usr/lib/libc.so.6 (0x00007fc76e03b000) libpthread.so.0 => /usr/lib/libpthread.so.0 (0x00007fc76delf000) liblcms2.so.2 => /usr/lib/liblcms2.so.2 (0x00007fc76dbcb000) libtiff.so.5 => /usr/lib/libtiff.so.5 (0x00007fc76d958000) libjpeg.so.8 => /usr/lib/libjpeg.so.8 (0x00007fc76d707000) libpng16.so.16 => /usr/lib/libpng16.so.16 (0x00007fc76d4d2000) libopenjpeg.so.1 => /usr/lib/libopenjpeg.so.1 (0x00007fc76d2a9000) libexpat.so.1 => /usr/lib/libexpat.so.1 (0x00007fc76d07f000) libbz2.so.1.0 => /usr/lib/libbz2.so.1.0 (0x00007fc76ce6f000) /lib64/ld-linux-x86-64.so.2 (0x00007fc76f74d000) liblzma.so.5 => /usr/lib/liblzma.so.5 (0x00007fc76cc4c000)</pre>			
<p>I see that <i>texlive-bin-libre</i> was last built on May 8, while <i>libpng</i> was last built on May 7, so I suspect the rebuilt might be related to the <i>libpng</i> update and the current version thus be up-to-date. I'm somewhat confused why <i>xelatex</i> links against both <i>libpng15.so.15</i> and <i>libpng16.so.16</i>. Is this normal?</p>			
<p>After some reading, I could (for now, I really needed <i>TeX</i> to work again) solve the issue by downloading, building and installing <i>libpng15</i> from <i>Arch AUR</i> alongside with <i>libpng16</i> but I don't think this is the correct way to solve this issue.</p>			

History

#2 - 2013-05-11 08:49 AM - mtjm

Installing *pax-utils* and running "scaneelf -pIRqN *libpng15.so.15* | cut -d ' ' -f3- | xargs pacman -Qo" will show what packages should be updated. Binaries usually don't link to multiple versions of a library at once, probably a library used by it links to a different version of *libpng15*.

#3 - 2013-05-11 10:19 AM - Anonymous

```
$ scaneelf -pIRqN libpng15.so.15 | cut --delimiter=' ' -f3- | xargs pacman -Qo
/usr/lib/gstreamer-0.10/libgstcog.so is owned by gstreamer0.10-bad-libre-plugins 0.10.23-4
/usr/lib/libcupsfilters.so.1.0.0 is owned by cups-filters-libre 1.0.34-3
/usr/bin/dvipdfmx is owned by texlive-bin-libre 2012.0-11
/usr/bin/pdftex is owned by texlive-bin-libre 2012.0-11
/usr/bin/xdvipdfmx is owned by texlive-bin-libre 2012.0-11
/usr/bin/luatex is owned by texlive-bin-libre 2012.0-11
/usr/bin/xetex is owned by texlive-bin-libre 2012.0-11
```

I have removed *libpng15* again, in case this should matter, to mimic the state of the system immediately after the update when the problem first occurred. All listed packages seem to be up to date. Reinstalling them (again) didn't change anything.

#5 - 2013-05-25 07:51 PM - Anonymous

Thanks for fixing!