libpng12.so AND libpng15.so requested

Posted by DZoom - 2012/05/14 10:09

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i can't start rainlendar after downloading and extracting:
$ ./rainlendar2
./rainlendar2: error while loading shared libraries: libpng12.so.0: cannot open shared object file: No such file or directory

via ldd output 2 issues appear to me:
1. the libcurl problem described here:
http://www.rainlendar.net/cms/index.php?option=com_kunena&Itemid=42&func=view&catid=3&id=16605
2. an issue with libpng12 (libpng 15 is installed; according to ldd libpng15 is needed; but still libpng12 is needed).

here is the ldd output:

```
$ ldd ./rainlendar2
./rainlendar2: /usr/lib/libcurl.so.4: version `CURL_OPENSSL_3' not found (required by ./rainlendar2)
	linux-vdso.so.1 =>  (0x00007fffe7bff000)
	libSDL-1.2.so.0 => /usr/lib/libSDL-1.2.so.0 (0x00007fe06067e000)
	libgtk-x11-2.0.so.0 => /usr/lib/libgtk-x11-2.0.so.0 (0x00007fe06004f000)
	libgdk-x11-2.0.so.0 => /usr/lib/libgdk-x11-2.0.so.0 (0x00007fe05fd9c000)
	libatk-1.0.so.0 => /usr/lib/libatk-1.0.so.0 (0x00007fe05fb79000)
	libgdk_pixbuf-2.0.so.0 => /usr/lib/libgdk_pixbuf-2.0.so.0 (0x00007fe05f957000)
	libpango-1.0.so.0 => /usr/lib/libpango-1.0.so.0 (0x00007fe05f70c000)
	libgobject-2.0.so.0 => /usr/lib/libgobject-2.0.so.0 (0x00007fe05f4be000)
	libgmodule-2.0.so.0 => /usr/lib/libgmodule-2.0.so.0 (0x00007fe05f2ba000)
	libgthread-2.0.so.0 => /usr/lib/libgthread-2.0.so.0 (0x00007fe05f0b8000)
	librt.so.1 => /lib/librt.so.1 (0x00007fe05eeb0000)
	libglib-2.0.so.0 => /usr/lib/libglib-2.0.so.0 (0x00007fe05ebbc000)
	libXinerama.so.1 => /usr/lib/libXinerama.so.1 (0x00007fe05e9b9000)
	libSM.so.6 => /usr/lib/libSM.so.6 (0x00007fe05e7b1000)
	libpng12.so.0 => not found
	libexpat.so.1 => /usr/lib/libexpat.so.1 (0x00007fe05e587000)
	libz.so.1 => /usr/lib/libz.so.1 (0x00007fe05e371000)
	libdl.so.2 => /lib/libdl.so.2 (0x00007fe05e16d000)
	libcurl.so.4 => /usr/lib/libcurl.so.4 (0x00007fe05df11000)
	libstdc++.so.6 => /usr/lib/libstdc++.so.6 (0x00007fe05dc0d000)
	libm.so.6 => /lib/libm.so.6 (0x00007fe05d918000)
	libgcc_s.so.1 => /usr/lib/libgcc_s.so.1 (0x00007fe05d703000)
	libpthread.so.0 => /lib/libpthread.so.0 (0x00007fe05d4e7000)
	libc.so.6 => /lib/libc.so.6 (0x00007fe05d146000)
	libX11.so.6 => /usr/lib/libX11.so.6 (0x00007fe05ce0c000)
	libcairo.so.2 => /usr/lib/libcairo.so.2 (0x00007fe05cb17000)
	libpangocairo-1.0.so.0 => /usr/lib/libpangocairo-1.0.so.0 (0x00007fe05c90a000)
	libXfixes.so.3 => /usr/lib/libXfixes.so.3 (0x00007fe05c703000)
	libgio-2.0.so.0 => /usr/lib/libgio-2.0.so.0 (0x00007fe05c3b7000)
	libpangoft2-1.0.so.0 => /usr/lib/libpangoft2-1.0.so.0 (0x00007fe05c18a000)
	libfontconfig.so.1 => /usr/lib/libfontconfig.so.1 (0x00007fe05bf54000)
	libXext.so.6 => /usr/lib/libXext.so.6 (0x00007fe05bd41000)
	libXrender.so.1 => /usr/lib/libXrender.so.1 (0x00007fe05bb36000)
	libXi.so.6 => /usr/lib/libXi.so.6 (0x00007fe05b927000)
	libXrandr.so.2 => /usr/lib/libXrandr.so.2 (0x00007fe05b71e000)
	libXcursor.so.1 => /usr/lib/libXcursor.so.1 (0x00007fe05b514000)
	libXcomposite.so.1 => /usr/lib/libXcomposite.so.1 (0x00007fe05b311000)
	libXdamage.so.1 => /usr/lib/libXdamage.so.1 (0x00007fe05b10e000)
	libpng15.so.15 => /usr/lib/libpng15.so.15 (0x00007fe05aee1000)
	libffi.so.6 => /usr/lib/libffi.so.6 (0x00007fe05acd9000)
	libpcre.so.1 => /usr/lib/libpcre.so.1 (0x00007fe05aa7f000)
	libICE.so.6 => /usr/lib/libICE.so.6 (0x00007fe05a863000)
	libuuid.so.1 => /usr/lib/libuuid.so.1 (0x00007fe05a65e000)
	/lib64/ld-linux-x86-64.so.2 (0x00007fe060918000)
	libssh2.so.1 => /usr/lib/libssh2.so.1 (0x00007fe05a435000)
	libssl.so.1.0.0 => /usr/lib/libssl.so.1.0.0 (0x00007fe05a1cb000)
	libcrypto.so.1.0.0 => /usr/lib/libcrypto.so.1.0.0 (0x00007fe059dc2000)
	libxcb.so.1 => /usr/lib/libxcb.so.1 (0x00007fe059ba4000)
	libpixman-1.so.0 => /usr/lib/libpixman-1.so.0 (0x00007fe05991c000)
```

```
	libfreetype.so.6 => /usr/lib/libfreetype.so.6 (0x00007fe05967d000)
	libxcb-shm.so.0 => /usr/lib/libxcb-shm.so.0 (0x00007fe05947b000)
	libxcb-render.so.0 => /usr/lib/libxcb-render.so.0 (0x00007fe059272000)
	libresolv.so.2 => /lib/libresolv.so.2 (0x00007fe05905b000)
	libbz2.so.1.0 => /usr/lib/libbz2.so.1.0 (0x00007fe058e4b000)
	libXau.so.6 => /usr/lib/libXau.so.6 (0x00007fe058c47000)
	libXdmcp.so.6 => /usr/lib/libXdmcp.so.6 (0x00007fe058a41000)
```

system is arch linux 64bit, no desktop environment (slim + fluxbox).

gdb output (pretty short as rainlendar didn't even start):

```
$ gdb ./rainlendar2
GNU gdb (GDB) 7.4.1
Copyright (C) 2012 Free Software Foundation, Inc.
License GPLv3+: GNU GPL version 3 or later
This is free software: you are free to change and redistribute it.
There is NO WARRANTY, to the extent permitted by law.  Type "show copying"
and "show warranty" for details.
This GDB was configured as "x86_64-unknown-linux-gnu".
For bug reporting instructions, please see:
...
Reading symbols from /home/jaenicke/rainlendar2/rainlendar2...(no debugging symbols found)...done.
(gdb) run --debug
Starting program: /home/jaenicke/rainlendar2/rainlendar2 --debug
/home/jaenicke/rainlendar2/rainlendar2: error while loading shared libraries: libpng12.so.0: cannot open shared object
file: No such file or directory

(gdb) bt
No stack.
```

Also no debug log was in any of the mentioned locations.

I also tested the current beta which produces no problem w/ libcurl; but has the same issues with libpng2.
ldd output for the beta (2.10.117) is:

```
$ ldd ./rainlendar2
./rainlendar2: /usr/lib/liblber-2.4.so.2: no version information available (required by ./rainlendar2)
./rainlendar2: /usr/lib/libldap_r-2.4.so.2: no version information available (required by ./rainlendar2)
	linux-vdso.so.1 =>  (0x00007fff133ff000)
	libSDL-1.2.so.0 => /usr/lib/libSDL-1.2.so.0 (0x00007fcb4b340000)
	libgtk-x11-2.0.so.0 => /usr/lib/libgtk-x11-2.0.so.0 (0x00007fcb4ad11000)
	libgdk-x11-2.0.so.0 => /usr/lib/libgdk-x11-2.0.so.0 (0x00007fcb4aa5e000)
	libatk-1.0.so.0 => /usr/lib/libatk-1.0.so.0 (0x00007fcb4a83b000)
	libgdk_pixbuf-2.0.so.0 => /usr/lib/libgdk_pixbuf-2.0.so.0 (0x00007fcb4a619000)
	libpango-1.0.so.0 => /usr/lib/libpango-1.0.so.0 (0x00007fcb4a3ce000)
	libgobject-2.0.so.0 => /usr/lib/libgobject-2.0.so.0 (0x00007fcb4a180000)
	libgmodule-2.0.so.0 => /usr/lib/libgmodule-2.0.so.0 (0x00007fcb49f7c000)
	libgthread-2.0.so.0 => /usr/lib/libgthread-2.0.so.0 (0x00007fcb49d7a000)
	librt.so.1 => /lib/librt.so.1 (0x00007fcb49b72000)
	libglib-2.0.so.0 => /usr/lib/libglib-2.0.so.0 (0x00007fcb4987e000)
	libXinerama.so.1 => /usr/lib/libXinerama.so.1 (0x00007fcb4967b000)
	libSM.so.6 => /usr/lib/libSM.so.6 (0x00007fcb49473000)
	libpng12.so.0 => not found
	libexpat.so.1 => /usr/lib/libexpat.so.1 (0x00007fcb49249000)
	libz.so.1 => /usr/lib/libz.so.1 (0x00007fcb49033000)
	libdl.so.2 => /lib/libdl.so.2 (0x00007fcb48e2f000)
	libssl.so.0.9.8 => not found
	libidn.so.11 => not found
	libldap_r-2.4.so.2 => /usr/lib/libldap_r-2.4.so.2 (0x00007fcb48bdc000)
	libstdc++.so.6 => /usr/lib/libstdc++.so.6 (0x00007fcb488d8000)
	libm.so.6 => /lib/libm.so.6 (0x00007fcb485e3000)
	libgcc_s.so.1 => /usr/lib/libgcc_s.so.1 (0x00007fcb483ce000)
	libpthread.so.0 => /lib/libpthread.so.0 (0x00007fcb481b2000)
	libc.so.6 => /lib/libc.so.6 (0x00007fcb47e11000)
	libX11.so.6 => /usr/lib/libX11.so.6 (0x00007fcb47ad7000)
	libcairo.so.2 => /usr/lib/libcairo.so.2 (0x00007fcb477e2000)
```

```
libcrypto.so.0.9.8 => not found
liblber-2.4.so.2 => /usr/lib/liblber-2.4.so.2 (0x00007fcb475d3000)
libpangocairo-1.0.so.0 => /usr/lib/libpangocairo-1.0.so.0 (0x00007fcb473c6000)
libXfixes.so.3 => /usr/lib/libXfixes.so.3 (0x00007fcb471bf000)
libgio-2.0.so.0 => /usr/lib/libgio-2.0.so.0 (0x00007fcb46e73000)
libpangoft2-1.0.so.0 => /usr/lib/libpangoft2-1.0.so.0 (0x00007fcb46c46000)
libfontconfig.so.1 => /usr/lib/libfontconfig.so.1 (0x00007fcb46a10000)
libXext.so.6 => /usr/lib/libXext.so.6 (0x00007fcb467fd000)
libXrender.so.1 => /usr/lib/libXrender.so.1 (0x00007fcb465f2000)
libXi.so.6 => /usr/lib/libXi.so.6 (0x00007fcb463e3000)
libXrandr.so.2 => /usr/lib/libXrandr.so.2 (0x00007fcb461da000)
libXcursor.so.1 => /usr/lib/libXcursor.so.1 (0x00007fcb45fd0000)
libXcomposite.so.1 => /usr/lib/libXcomposite.so.1 (0x00007fcb45dcd000)
libXdamage.so.1 => /usr/lib/libXdamage.so.1 (0x00007fcb45bca000)
libpng15.so.15 => /usr/lib/libpng15.so.15 (0x00007fcb4599d000)
libffi.so.6 => /usr/lib/libffi.so.6 (0x00007fcb45795000)
libpcre.so.1 => /usr/lib/libpcre.so.1 (0x00007fcb4553b000)
libICE.so.6 => /usr/lib/libICE.so.6 (0x00007fcb4531f000)
libuuid.so.1 => /usr/lib/libuuid.so.1 (0x00007fcb4511a000)
/lib64/ld-linux-x86-64.so.2 (0x00007fcb4b5da000)
libresolv.so.2 => /lib/libresolv.so.2 (0x00007fcb44f03000)
libsasl2.so.2 => /usr/lib/libsasl2.so.2 (0x00007fcb44ce8000)
libssl.so.1.0.0 => /usr/lib/libssl.so.1.0.0 (0x00007fcb44a7e000)
libcrypto.so.1.0.0 => /usr/lib/libcrypto.so.1.0.0 (0x00007fcb44675000)
libxcb.so.1 => /usr/lib/libxcb.so.1 (0x00007fcb44457000)
libpixman-1.so.0 => /usr/lib/libpixman-1.so.0 (0x00007fcb441cf000)
libfreetype.so.6 => /usr/lib/libfreetype.so.6 (0x00007fcb43f30000)
libxcb-shm.so.0 => /usr/lib/libxcb-shm.so.0 (0x00007fcb43d2e000)
libxcb-render.so.0 => /usr/lib/libxcb-render.so.0 (0x00007fcb43b25000)
libbz2.so.1.0 => /usr/lib/libbz2.so.1.0 (0x00007fcb43915000)
libcrypt.so.1 => /lib/libcrypt.so.1 (0x00007fcb436de000)
libXau.so.6 => /usr/lib/libXau.so.6 (0x00007fcb434da000)
libXdmcp.so.6 => /usr/lib/libXdmcp.so.6 (0x00007fcb432d4000)
```

gdb output is the same as with last stable version (due to rainlendar not starting at all)

happy debugging...

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Re: libpng12.so AND libpng15.so requested

Posted by Rainy - 2012/05/15 10:52

Rainlendar requires libpng12 so you need to install it to run the application. The dependency for libpng15 probably comes from some 3rd party library. I'll probably upgrade my development environment in the near future though so the dependencies might be different after that.

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