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Subject: Dependencies of U++ programs in linux  
Posted by [Alboni](#) on Thu, 12 May 2016 15:28:29 GMT

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Is there a list of which libraries typical u++ binaries rely upon?

I'm trying to make my program available to my customers as a .deb file containing the binary and some config files. I would like it to be easily installable. The only dependencies I can think of at the moment are mysql-client and libssl but I'm sure there might be more as a result of using u++

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Subject: Re: Dependencies of U++ programs in linux  
Posted by [Zbych](#) on Thu, 12 May 2016 17:05:07 GMT

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You can check libraries used by your program with ldd, but after that you have to check what packages contain needed libraries (packages.ubuntu.com, packages.debian.com).

```
$ ldd ./MyProgram
```

```
linux-vdso.so.1 => (0x00007ffc9e9f8000)
libX11.so.6 => /usr/lib/x86_64-linux-gnu/libX11.so.6 (0x00007fb9e9f9a000)
libXrender.so.1 => /usr/lib/x86_64-linux-gnu/libXrender.so.1 (0x00007fb9e9d90000)
libXinerama.so.1 => /usr/lib/x86_64-linux-gnu/libXinerama.so.1 (0x00007fb9e9b8c000)
libdl.so.2 => /lib/x86_64-linux-gnu/libdl.so.2 (0x00007fb9e9988000)
libXft.so.2 => /usr/lib/x86_64-linux-gnu/libXft.so.2 (0x00007fb9e9773000)
libfreetype.so.6 => /usr/lib/x86_64-linux-gnu/libfreetype.so.6 (0x00007fb9e94c8000)
libfontconfig.so.1 => /usr/lib/x86_64-linux-gnu/libfontconfig.so.1 (0x00007fb9e9285000)
libpthread.so.0 => /lib/x86_64-linux-gnu/libpthread.so.0 (0x00007fb9e9068000)
librt.so.1 => /lib/x86_64-linux-gnu/librt.so.1 (0x00007fb9e8e5f000)
libz.so.1 => /lib/x86_64-linux-gnu/libz.so.1 (0x00007fb9e8c45000)
libpng12.so.0 => /lib/x86_64-linux-gnu/libpng12.so.0 (0x00007fb9e8a20000)
libcef.so => not found
libudev.so.1 => /lib/x86_64-linux-gnu/libudev.so.1 (0x00007fb9e89ff000)
libsane.so.1 => /usr/lib/x86_64-linux-gnu/libsane.so.1 (0x00007fb9e87f7000)
libXi.so.6 => /usr/lib/x86_64-linux-gnu/libXi.so.6 (0x00007fb9e85e6000)
libstdc++.so.6 => /usr/lib/x86_64-linux-gnu/libstdc++.so.6 (0x00007fb9e8264000)
libm.so.6 => /lib/x86_64-linux-gnu/libm.so.6 (0x00007fb9e7f5b000)
libgcc_s.so.1 => /lib/x86_64-linux-gnu/libgcc_s.so.1 (0x00007fb9e7d44000)
libc.so.6 => /lib/x86_64-linux-gnu/libc.so.6 (0x00007fb9e797b000)
libxcb.so.1 => /usr/lib/x86_64-linux-gnu/libxcb.so.1 (0x00007fb9e7759000)
libXext.so.6 => /usr/lib/x86_64-linux-gnu/libXext.so.6 (0x00007fb9e7546000)
/lib64/ld-linux-x86-64.so.2 (0x00005563428d6000)
libexpat.so.1 => /lib/x86_64-linux-gnu/libexpat.so.1 (0x00007fb9e731d000)
libXau.so.6 => /usr/lib/x86_64-linux-gnu/libXau.so.6 (0x00007fb9e7118000)
libXdmcp.so.6 => /usr/lib/x86_64-linux-gnu/libXdmcp.so.6 (0x00007fb9e6f12000)
```

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Subject: Re: Dependencies of U++ programs in linux  
Posted by [dolik.rce](#) on Thu, 12 May 2016 18:55:59 GMT  
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Hi Alboni,

If you're using debhelper, it can generate the dependencies for you via dh\_shlibdeps. You just have to add the shlibs:Depends variable to your debian/control, e.g.:Depends: `$(shlibs:Depends),`  
`$(misc:Depends)`

And of course make sure that your debian/rules calls dh\_shlibdeps.

You can have a look at how it is done for theide here.

Best regards,  
Honza

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