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++

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 (0x00007fbae9f9a000)
 libXrender.so.1 => /usr/lib/x86_64-linux-gnu/libXrender.so.1 (0x00007fbae9d90000)
 libXinerama.so.1 => /usr/lib/x86_64-linux-gnu/libXinerama.so.1 (0x00007fbae9b8c000)
 libdl.so.2 => /lib/x86_64-linux-gnu/libdl.so.2 (0x00007fbae9988000)
 libXft.so.2 => /usr/lib/x86_64-linux-gnu/libXft.so.2 (0x00007fbae9773000)
 libfreetype.so.6 => /usr/lib/x86_64-linux-gnu/libfreetype.so.6 (0x00007fbae94c8000)
 libfontconfig.so.1 => /usr/lib/x86_64-linux-gnu/libfontconfig.so.1 (0x00007fbae9285000)
 libpthread.so.0 => /lib/x86_64-linux-gnu/libpthread.so.0 (0x00007fbae9068000)
 librt.so.1 => /lib/x86_64-linux-gnu/librt.so.1 (0x00007fbae8e5f000)
 libz.so.1 => /lib/x86_64-linux-gnu/libz.so.1 (0x00007fbae8c45000)
 libpng12.so.0 => /lib/x86_64-linux-gnu/libpng12.so.0 (0x00007fbae8a20000)
 libcef.so => not found
 libudev.so.1 => /lib/x86_64-linux-gnu/libudev.so.1 (0x00007fbae89ff000)
 libsane.so.1 => /usr/lib/x86_64-linux-gnu/libsane.so.1 (0x00007fbae87f7000)
 libXi.so.6 => /usr/lib/x86_64-linux-gnu/libXi.so.6 (0x00007fbae85e6000)
 libstdc++.so.6 => /usr/lib/x86_64-linux-gnu/libstdc++.so.6 (0x00007fbae8264000)
 libm.so.6 => /lib/x86_64-linux-gnu/libm.so.6 (0x00007fbae7f5b000)
 libgcc_s.so.1 => /lib/x86_64-linux-gnu/libgcc_s.so.1 (0x00007fbae7d44000)
 libc.so.6 => /lib/x86_64-linux-gnu/libc.so.6 (0x00007fbae797b000)
 libxcb.so.1 => /usr/lib/x86_64-linux-gnu/libxcb.so.1 (0x00007fbae7759000)
 libXext.so.6 => /usr/lib/x86_64-linux-gnu/libXext.so.6 (0x00007fbae7546000)
 /lib64/ld-linux-x86-64.so.2 (0x00005563428d6000)
 libexpat.so.1 => /lib/x86_64-linux-gnu/libexpat.so.1 (0x00007fbae731d000)
 libXau.so.6 => /usr/lib/x86_64-linux-gnu/libXau.so.6 (0x00007fbae7118000)
 libXdmcp.so.6 => /usr/lib/x86_64-linux-gnu/libXdmcp.so.6 (0x00007fbae6f12000)
```

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 debial/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