Subject: Runtime error: "undefined symbol: gdk_display_get_primary_monitor"
Posted by MonkeyH on Fri, 11 Jun 2021 08:55:15 GMT
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Hello,
I get this symbol lookup error "undefined symbol: gdk_display_get_primary_monitor" running a program on Trisquel GNU/Linux 8.0 32 bit. The program was built on a different pc with Trisquel 9 32 bit and U++ v. 14429 (I don't know if this was the best choice for 32 bit) with a pretty standard setup (GUI + CLANG + Shared libs).
I guess this could be a libray missing/outdated issue.

These are the gtk related libraries installed on the host pc:

libwebkit2gtk-4.0.so.37 (libc6) => /usr/lib/i386-linux-gnu/libwebkit2gtk-4.0.so.37
libwebkitgtk-3.0.so.0 (libc6) => /usr/lib/i386-linux-gnu/libwebkitgtk-3.0.so.0
libwebkitgtk-1.0.so.0 (libc6) => /usr/lib/i386-linux-gnu/libwebkitgtk-1.0.so.0
libtopmenu-client-gtk3.so.0 (libc6) => /usr/lib/libtopmenu-client-gtk3.so.0
libtopmenu-client-gtk2.so.0 (libc6) => /usr/lib/libtopmenu-client-gtk2.so.0
libspice-client-gtk-3.0.so.4 (libc6) => /usr/lib/i386-linux-gnu/libspice-client-gtk-3.0.so.4
libpeas-gtk-1.0.so.0 (libc6) => /usr/lib/i386-linux-gnu/libpeas-gtk-1.0.so.0
libnm-gtk.so.0 (libc6) => /usr/lib/i386-linux-gnu/libnm-gtk.so.0
libjavascriptcoregtk-4.0.so.18 (libc6) => /usr/lib/i386-linux-gnu/libjavascriptcoregtk-4.0.so.18
libjavascriptcoregtk-3.0.so.0 (libc6) => /usr/lib/i386-linux-gnu/libjavascriptcoregtk-3.0.so.0
libjavascriptcoregtk-1.0.so.0 (libc6) => /usr/lib/i386-linux-gnu/libjavascriptcoregtk-1.0.so.0
libindicate-gtk.so.3 (libc6) => /usr/lib/libindicate-gtk.so.3
libgtkspell.so.0 (libc6) => /usr/lib/libgtkspell.so.0
libgtksourceview-2.0.so.0 (libc6) => /usr/lib/libgtksourceview-2.0.so.0
libgtkmm-2.4.so.1 (libc6) => /usr/lib/i386-linux-gnu/libgtkmm-2.4.so.1
libgtkglext-x11-1.0.so.0 (libc6) => /usr/lib/i386-linux-gnu/libgtkglext-x11-1.0.so.0
libgtk-3.so.0 (libc6) => /usr/lib/i386-linux-gnu/libgtk-3.so.0
libgtk-3.so (libc6) => /usr/lib/i386-linux-gnu/libgtk-3.so
libgtk-x11-2.0.so.0 (libc6) => /usr/lib/i386-linux-gnu/libgtk-x11-2.0.so.0
libgtk-vnc-2.0.so.0 (libc6) => /usr/lib/i386-linux-gnu/libgtk-vnc-2.0.so.0
libdbusmenu-gtk3.so.4 (libc6) => /usr/lib/i386-linux-gnu/libdbusmenu-gtk3.so.4
libdbusmenu-gtk.so.4 (libc6) => /usr/lib/i386-linux-gnu/libdbusmenu-gtk.so.4
libclutter-gtk-1.0.so.0 (libc6) => /usr/lib/i386-linux-gnu/libclutter-gtk-1.0.so.0
libcheese-gtk.so.25 (libc6) => /usr/lib/i386-linux-gnu/libcheese-gtk.so.25
libcanberra-gtk3.so.0 (libc6) => /usr/lib/i386-linux-gnu/libcanberra-gtk3.so.0
libcanberra-gtk.so.0 (libc6) => /usr/lib/i386-linux-gnu/libcanberra-gtk.so.0
libavahi-ui-gtk3.so.0 (libc6) => /usr/lib/i386-linux-gnu/libavahi-ui-gtk3.so.0

How can I solve this? Any kind of suggestions will be appreciated.
Thanks in advance.

Subject: Re: Runtime error: "undefined symbol: gdk_display_get_primary_monitor"
Posted by Novo on Fri, 11 Jun 2021 13:13:42 GMT
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If you build your app on an older version of OS and try to run it on a newer, then it should work in most cases.
But if you do the opposite (build on a newer and try to run on an older), then it is not supposed to work, because, obviously, old OS doesn't have stuff from the new one.

You need to build your app on Trisquel Linux 8 in order to make it work on it.

Useful command:
ldd your_app

Subject: Re: Runtime error: "undefined symbol: gdk_display_get_primary_monitor"
Posted by MonkeyH on Sat, 12 Jun 2021 08:03:12 GMT
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It seems wise enough, infact it works Thanks.